PROPRIETARY TELEPHONE

Service Manual



KX-T7320HK KX-T7330HK KX-T7350HK

(for Hong Kong)

⚠ WARNING

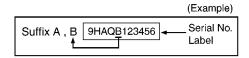
This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

1 CHANGES

1.1. Subject

Suffix	Reason for suffix change
A→B	Change of the LED and Resistor.

1.2. Suffix location



1.3. REPLACEMENT PARTS LIST

Rea	son for C	hange (Symbol:A) Followin	g 1-8 reasons are indicated on the Notes in the bottom column.
1. Improve performance			
2. C	hange of ma	aterial or dimension	
3. T	o meet appro	oved specification	
4. S	Standardizatio	on	
5. A	ddition		
6. D	eletion		
7. C	Correction		
8. C	Other		
Interchangeability code (Symbol:B) Follo			wing V-Z interchangeabilities are indicated on the Notes in the bottom column.
	Parts	Set Production	Description
٧	Original New	Early (before change) Late (after change)	Original or new parts may be used in early or late production sets. Use original parts until exhausted, then stock new parts.
W	Original — New —	Early (before change) Late (after change)	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts where possible, then stock new parts.
Х	Original New	Early (before change) Late (after change)	New parts only may be used in early or late production sets. Stock new parts.
Υ	Original — New —	Early (before change) Late (after change)	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
Z	Other		

Ref. No.	Pai	rts No.	Part Name & description	Pcs	Remarks	ks Notes		Time of change
	Original Part	New part						(Suffix)
MAIN BOARD	PARTS	•			-			
D300~D311	PSVDPY4607K	PSVDPY5609XJ	DIODE (SI)	12		1	Υ	В
R146	PQ4R10XJ680	PQ4R10XJ820	RESISTOR, 82Ω	1		1	Υ	В
R147	PQ4R18XJ220	PQ4R18XJ560	RESISTOR, 56Ω	1		1	Υ	В
R148	PQ4R18XJ680	PQ4R18XJ820	RESISTOR, 82Ω	1		1	Υ	В
R149	PQ4R10XJ220	PQ4R10XJ390	RESISTOR, 39Ω	1		1	Υ	В
R150	PQ4R18XJ680	PQ4R18XJ820	RESISTOR, 82Ω	1		1	Υ	В
R151	PQ4R10XJ220	PQ4R10XJ560	RESISTOR, 56Ω	1		1	Υ	В
R306	PQ4R18XJ221	PQ4R18XJ151	RESISTOR, 150Ω	1		1	Υ	В
R307	PQ4R10XJ271	PQ4R10XJ181	RESISTOR, 180Ω	1		1	Υ	В
R308	PQ4R10XJ221	PQ4R10XJ181	RESISTOR, 180Ω	1		1	Υ	В
R310	PQ4R10XJ221	PQ4R10XJ151	RESISTOR, 150Ω	1		1	Υ	В

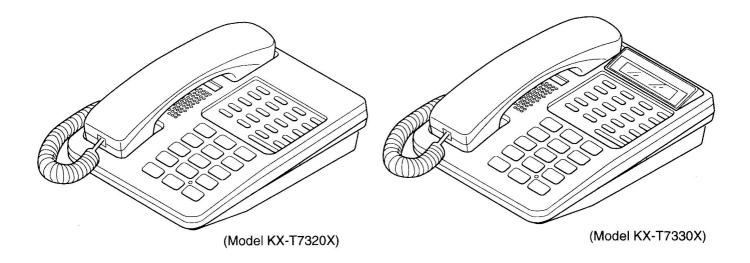
ORDER NO. KMS9612185C3

Service Manual

PROPRIETARY TELEPHONE FOR ELECTRONIC MODULAR SWITCHING AND DIGITAL SUPER HYBRID SYSTEMS

> KX-T7320X KX-T7330X

(for Asia, Middle Near East and other areas)



SPECIFICATIONS

Station Loop Limit:

40 ohms

Cabling Method:

2 pair wire

Jacks:

EMSS, Handset/Headset

Display:

16 digits (max.)

Dimensions:

190 (W)×90 (H)×240 (D) mm with handset

Weight:

950 g (2 lb. 2 oz.)

Design and specifications are subject to change without notice.

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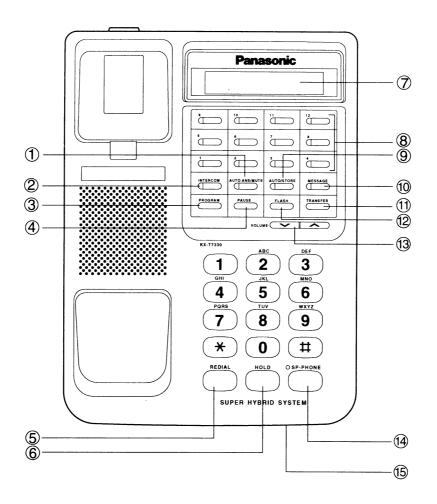
Panasonic

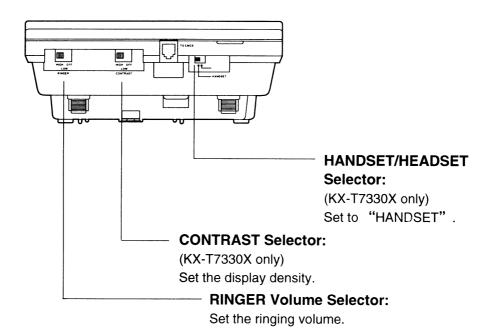
When you note the serial number, write down all of the 11 digits. The serial number may be found on the label affixed to the bottom of the unit.

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LOCATION OF CONTROLS





* The illustration used on this page is KX-T7330X.

1 AUTO ANS/MUTE Button and Indicator:

AUTO ANS is used to answer an intercom call automatically. MUTE is used to listen to the other party without them hearing you in the handsfree conversation mode.

(2) INTERCOM Button and Indicator:

Used to make or receive an intercom call.

(3) PROGRAM Button:

Used to enter and exit the Programming mode.

(4) PAUSE Button:

Used to insert a pause in a speed dial number.

(5) REDIAL Button:

Used to redial the last number dialed.

(6) HOLD Button:

Used to place a call on hold.

① LCD(Liquid Crystal Display):

(KX-T7330X only)

Can be used as a CO, Direct Station Selection(DSS), or One-Touch Dialing button.

(not available for KX-T206, KX-T30810 and KX-T61610.)

Can also be used as a FWD/DND or CONFERENCE button.

(9) AUTO/STORE Button and Indicator:

AUTO is used before dialing a speed dial number. In "PROGRAM" mode, STORE is used to store a programmig procedure in memory at the end of an operation.

MESSAGE Button and Indicator: (not available for KX-T206, KX-T30810 and

KX-T61610.)

Used to send a message or display a current message.

CONFERENCE Button and Indicator: (available for KX-T206, KX-T30180 and KX-T61610

only.)
Allows you to make a three-party conference.To use

this feature, you need to exchange the attached Tel card with the accesory card.

11 TRANSFER Button:

Used to transfer an outside or intercom call to another extension.

12 FLASH Button:

Used to send a hooking signal to a Central Office.

13 VOLUNE Control Buttons:

Used to adjust the volume of the handset receiver, headset and speaker.

(4) SP-PHONE Button and Indicator:

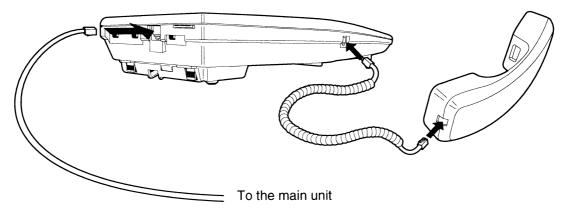
Used to make or receive a phone call without using the handset.

(5) MIC (Microphone):

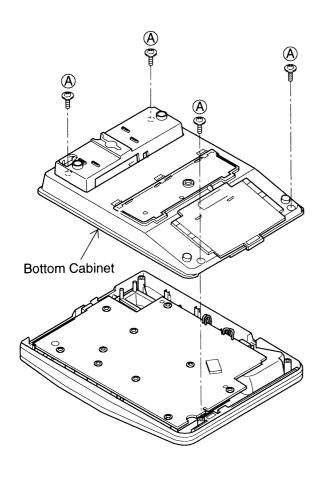
Used for a handsfree conversation.

CONNECTION

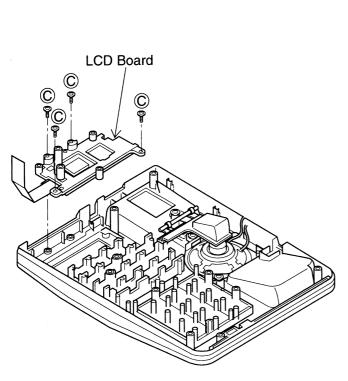
Connect as shown.

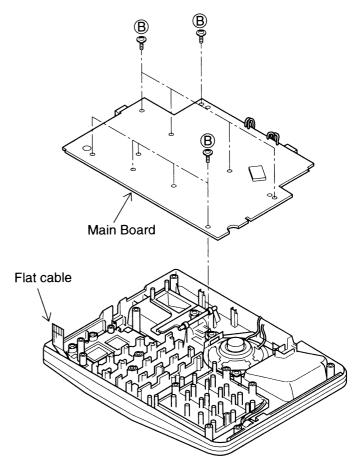


DISASSEMBLY INSTRUCTIONS



- 1. Remove the 4 screws (A).
- 2. Remobe the bottom cabinet.



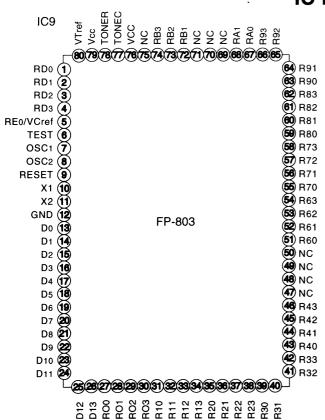


- 3. Remve the 10 screws (B).
- 4. Remove the main board.
- 5. Pull out the flat cable from main board. (KX-T7330X only)

(KX-T7330X only)

- 6. Remove the 4 screws ©.
- 7. Remove the LCD board.

IC DATA



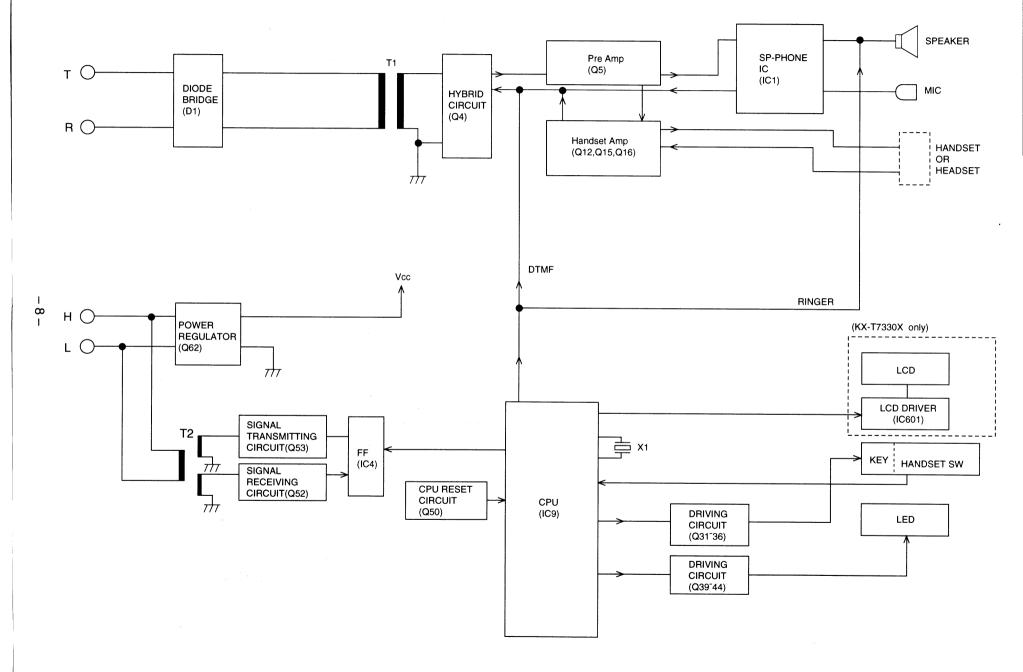
IC9: PSVI4688A54F Program Rom: 8K Byte (4 bit)

Internal RAM: 4K bit
Clock Frequency: 4 MHz
Power Supply Voltage: 2.7~6V

Pin No.	Pin Name	Function	High	Low
1	RD0	Busy Tone Signal Input	Disable	Enable
2	RD1	_		
3	TSPU1	_		
4	TSPU2	_		
5	RE0	Key Input	Disable	Enable
6	TEST	_		
7	OSC1	System Clock		_
8	OSC2	System Clock	_	
9	RESET	System Reset Input		-
10	X1	_		
11	X2		-	
12	GND	Ground		_
13	D0	LCD Enable Control Output	Active	Normal
14	D1	Data Input Control	Normal	Active
15	D2	Data Input	Disable	Enable
16	D3	Data Output	Active	Normal
17	D4	LED Control Output	Active	Normal
18	D5	LED Control Output	Active	Normal
19	TSPU3	_	_	
20	D7	LED Control Output	Active	Normal
21	TSPU4	_		
22	D9	LED Control Output	Active	Normal
23	D10	LED Control Output	Active	Normal
24	D11	LED Control Output	Active	Normal
25	D12	Model Code 1	_	
26	D13	Model Code 2		
27	R00	Key Input	Disable	Enable

Pin No.	Pin Name	Function	High	Low
28	R01	Key Input	Disable	Enable
29	R02	Interrupt Input	Standby	Active
30	R03	Hook Data Input	OFF-HOOK	ON-HOOK
31	R10	LED Control Input and Key Scan Output	Active	Normal
32	R11	LED Control Input and Key Scan Output	Active	Normal
33	R12	LED Control Input and Key Scan Output	Active	Normal
34	R13	LED Control Input and Key Scan Output	Active	Normal
35	R20	LED Control Input and Key Scan Output	Active	Normal
36	R21	LED Control Input and Key Scan Output	Active	Normal
37	R22			
38	R23			
39	R30	SP-Phone Volume Control 0	ON	OFF
		SP-Phone Volume Control 1	ON	OFF
40	R31	SP-Phone Volume Control 2	ON	OFF
41	R32	SP-Phone Volume Control 3	ON	OFF
42	R33		ON	OFF
43	R40	Tone Control Output 0	ON	OFF
44	R41	Tone Control Output 1	ON	OFF
45	R42	Tone Control Output 2		
46	R43	Tone Control Output 3	ON	OFF
47	TSPU5			
48	TSPU6			-
49	TSPU7			_
50	TSPU8	_		
51	R60	Handset SP-MIC Mute	ON	OFF
52	R61	SP-Phone SP Mute	ON	OFF
53	R62	Ringer OFF Input	ON	OFF
54	R63	_		
55	R70	Key Input	Disable	Enable
56	R71	Handset Power	OFF	ON
57	R72	Handset Volume Control 0	ON	OFF
58	R73	Handset Volume Control 1	ON	OFF
59	R80	LCD Data Output	Active	Normal
60	R81	LCD Data Output	Active	Normal
61	R82	LCD Data Output	Active	Normal
62	R83	LCD Data Output	Active	Normal
63	R90	LCD Data Control		
64	R91	LCD Data Control		
65	R92	SP-Phone Chip-Select Control	OFF	ON
66	R93	SP-Phone MIC Mute	ON	OFF
67	RA0	SP-Phone Path Control	ON	OFF
68	RA1	_		
69	STPU9		_	
70	STPU10	_		_
71	STPU11		-	_
72	RB1	Key Input	Disable	Enable
73	RB2	Key Input	Disable	Enable
74	RB3	Key Input	Disable	Enable
75	TSPU12			
	SEL			
76 77		DTMF Signal Column Output		
77	TONEC			_
78	TONER	DTMF Signal Row Output		
79	Vcc	Power Supply		
80	VTref	DTMF Standard Voltage		

BLOCK DIAGRAM



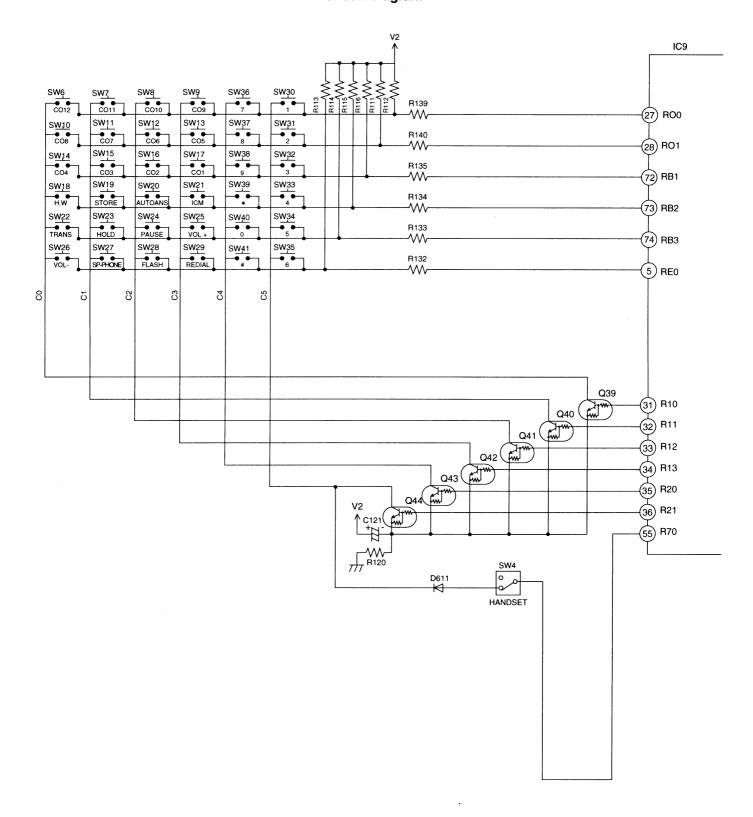
CIRCUIT OPERATIONS

1. KEY INPUT CONTROL CIRCUIT

Sequential input information is executed by dynamic scanning.

The ports R30 to R13, R20, R21 and R70 of IC9 are brought to low status consecutively.

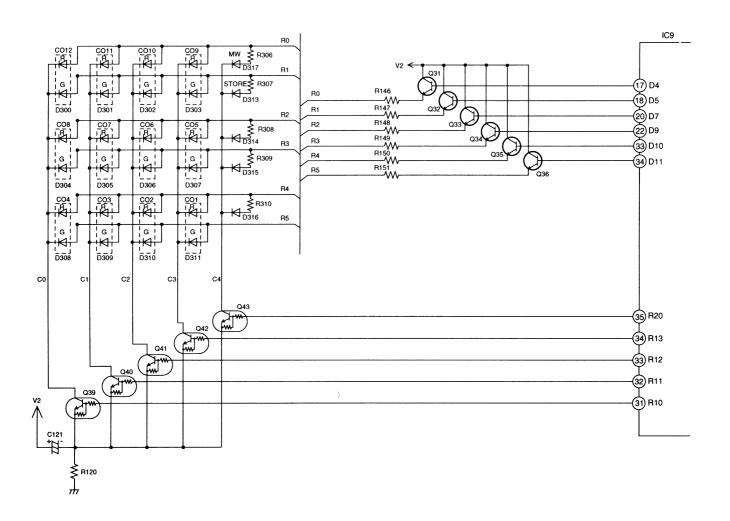
If a key is pressed, the key-in information input is executed by ports R00, R01, RB1 to RE3 and RE0.



2. LED CIRCUIT

Circuit Operation:

The LED executes dynamic lighting for the status Indicators, and control is executed by the output ports R10 to R13, R20, D4, D5, D7 and D9 to D11.



3. DATA COMMUNICATION CIRCUIT

Function:

The data communication circuit serves the following functions:

Information exchanger between the EMSS/DSHS and EMSS/DSHS proprietary telephone, key input information as well as data for the LED control, LCD control, etc. This information is continuously exchanged at all times.

Circuit Operation:

When the EMSS proprietary telephone receives an IRQ signal from the EMSS/DSHS and after sending the key input information (19 pulses) to the EMSS/DSHS and receiving data (47 pulses) for the LED control, etc., the EMSS/DSHS proprietary telephone will return to the EMSS/DSHS an acknowledge signal.

1) Reception

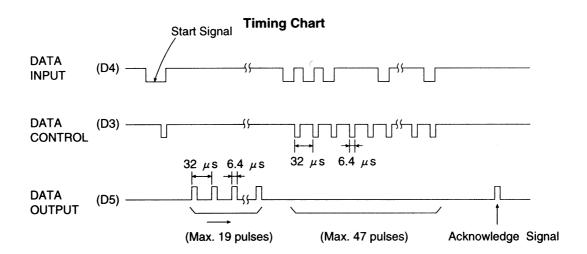
The data from the EMSS/DSHS is received via the H and L lines along the path shown below.

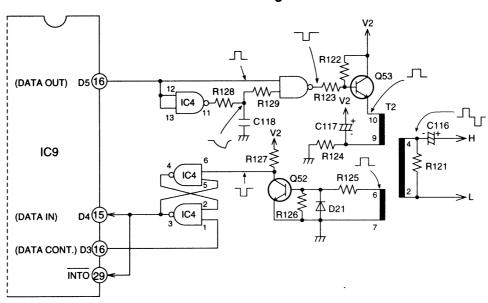
H, L Line \rightarrow T2 \rightarrow R125 \rightarrow Q52 \rightarrow IC9 \rightarrow IC9 Pin 15

2) Transmission

The data to the EMSS proprietary telephone is transmitted along the following path.

IC9 Pin 16 \rightarrow IC4 \rightarrow R123 \rightarrow Q53 \rightarrow T2 \rightarrow H, L Line





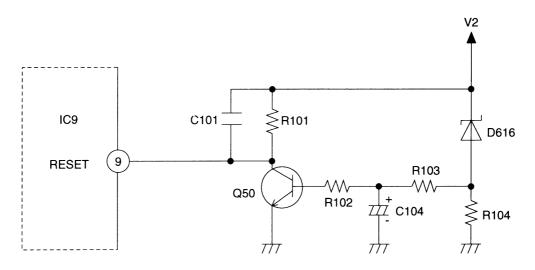
4. RESET CIRCUIT

Circuit Operation:

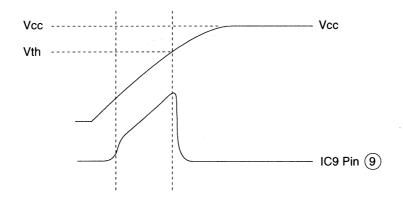
This circuit is used for transmission of a reset pulse to the CPU (IC9) at the following times, connecting the telephone line jack and circuit operation.

The timing chart is shown below.

Power ON \rightarrow Q50 ON \rightarrow IC9 (Pin 9) high level \rightarrow Q50 OFF \rightarrow IC9 (Pin 9) low level



Timing Chart



5. TONE GENERATION CIRCUIT

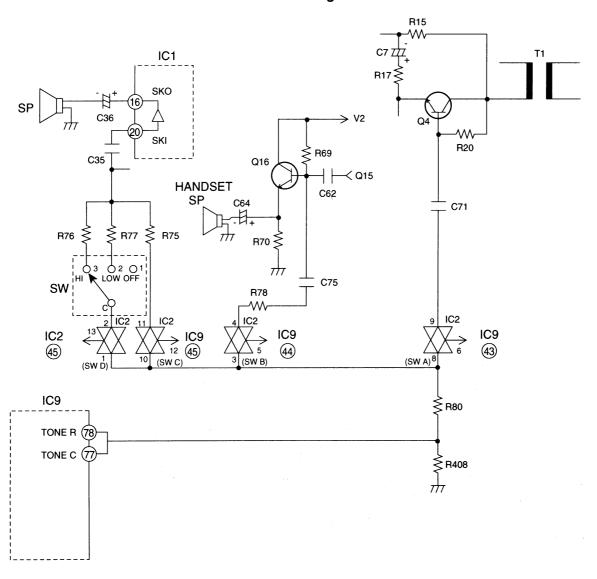
Function:

This circuit generates all system tones including COL, extension, busy, DTMF signals and key in confirmation tones during the power failure mode and is comprised of IC9 (DTMF Generator) and IC2 (Analog Switch).

Circuit Operation:

IC10 is the DTMF generator IC.

For an output of a single row tone, the row terminal and the each column terminals intersecting with it are required to be broughe a low atate. For a dual tone output, one row terminal and one column terminal are brought to low state.



CONDITION	IC9 pin43	IC2 SWA	IC9 pin44	IC2 SWB	IC9 pin45	IC2 SWC	IC9 pin46	IC2 SWD
Ringing	L	OFF	L	OFF	L	OFF	Н	ON
Call Waiting	L	OFF	L	OFF	Н	ON	L	OFF
Tone Dial (Handset)	Н	ON	Н	ON	L	OFF	L	OFF
Tone Dial (Speakerphone)	Н	ON	L	OFF	Н	ON	L	OFF

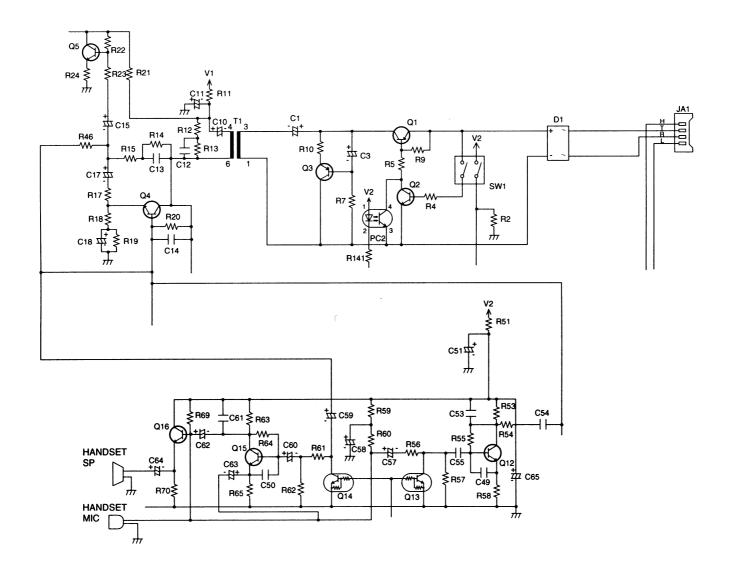
6. HANDSET CIRCUIT

1) Transmission Signal Path

The input signal for the handset microphone is sent through the telephone line via the following path: Handset MIC \rightarrow C57 \rightarrow R56 \rightarrow C55 \rightarrow Q12 \rightarrow R54 \rightarrow C51 \rightarrow Q4 \rightarrow T1 \rightarrow C1 \rightarrow Q1 \rightarrow D1 \rightarrow Telephone Line

2) Reception Signal Path

The input signal from the telephone line is sent to the receiver through the following path: Telephone Line \rightarrow D1 \rightarrow Q1 \rightarrow C1 \rightarrow T1 \rightarrow Q4 \rightarrow Q15 \rightarrow Q16 \rightarrow C64 \rightarrow Handset Speaker



7. SPEAKERPHONE CIRCUIT

Function:

This circuit controls the automatic switching of the transmitted and received signals to and from the telephone line, when the unit is used in the hands-free mode.

Circuit Operation:

The speakerphone can only provide a one-way communication path at a given time, but cannot do both simultaneously. Therefore, a switching circuit is necessary to control the flow of the outgoing and incoming signals. In other words, it can either transmit an outgoing signal or receive an incoming signal at a given time, but cannot do both simultaneously. Therefore, a switching circuit is necessary to control the flow of the outgoing and incoming signals. This switching circuit is contained in IC1 and consists of a Voice Detector, Tx Attenuator, Rx Attenuator, Comparator and Attenuator Control. The circuit analyzes whether the Tx (transmit) or Rx (receive) signal is louder, and then it processes the signals so that the louder signal is given precedence.

The Voice Detector provides a DC input to the Attenuator Control corresponding to the Tx signal. The Comparator receives a Tx and Rx signal, and supplies DC input to the Attenuator Control corresponding to the Rx signal. The Attenuator Control provides a control signal to the Tx and Rx Attenuator to switch the appropriate signals ON and OFF. The Attenuator Control also detects the level of the volume control to automatically adjust the volume for changing ambient conditions.

1) Control Signal Path

Control signals for transmission and reception are input to IC1 via the following path:

(Transmission Control Signal Path)

MIC \rightarrow IC1 Pin 9 \rightarrow IC1 Pin 10 \rightarrow IC1 Pin 3 \rightarrow IC1 Pin 4 \rightarrow IC1 Pin 5

(Reception Control Signal Path)

Telephone Line \rightarrow Q4 \rightarrow Q5 \rightarrow IC1 Pin 7

2) Transmission/Reception Switching

The comparison result between Tx and Rx output is a DC level at IC1 Pin 23.

Tx level is high Pin 24=Pin 20-6mV

Rx level is high Pin 24=Pin 20-150mV

The comparator output is connected to the attenuator control inside IC1.

3) Voice Detector

The output of the mic amp (Pin 10 of IC1) is supplied to Pin 14 of IC1 as a control signal for the voice detector.

4) Attenuator Control

The attenuator control detects the setting of the volume control through Pin 25 of IC1 and automatically adjusts the volume for changing ambient conditions.

5) Transmission Signal Path

The input signal from the microphone is sent through the circuit via the following path:

MIC \rightarrow C42 \rightarrow IC1 Pin 9 \rightarrow IC1 Pin 10 \rightarrow IC1 Pin 3 \rightarrow IC1 Pin 4 \rightarrow R28 \rightarrow C19 \rightarrow Q4 \rightarrow T1 \rightarrow C1 \rightarrow D1 \rightarrow Telephone Line

6) Reception Signal Path

Signals received from the telephone line are output to the speaker via the following path:

Telephone Line \rightarrow D1 \rightarrow Q1 \rightarrow C1 \rightarrow T1 \rightarrow Q4 \rightarrow Q5 \rightarrow C16 \rightarrow R26 \rightarrow IC1 Pin 29 \rightarrow

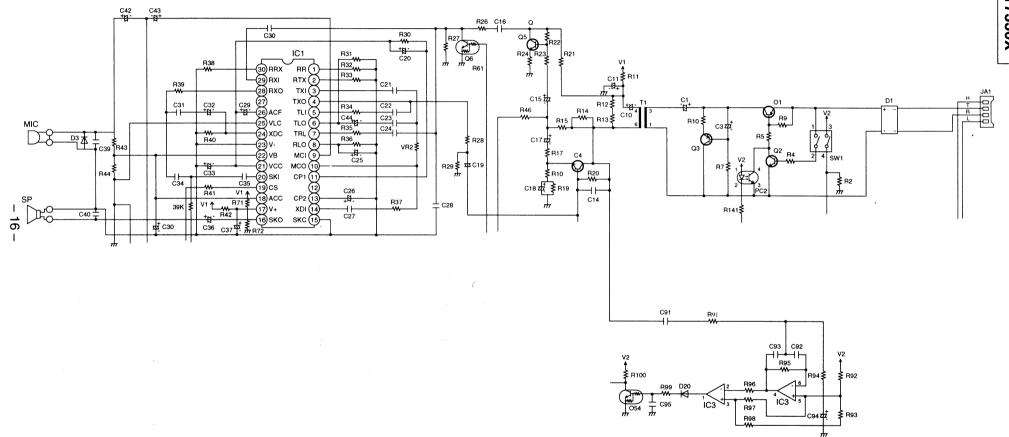
IC1 Pin 28 \rightarrow IC1 Pin 20 \rightarrow IC1 Pin 16 \rightarrow SP

7) Busy Tone Detoctor Circuit

The busy tone detection for automatic redialing is executed as follows.

Telephone line \rightarrow D1 \rightarrow T1 \rightarrow C91 \rightarrow IC3 Pin 6,7 \rightarrow IC3 Pin 2,1 \rightarrow D20 \rightarrow Q45 \rightarrow IC6 Pin 1

Circuit Diagram



)

1

)

ADJUSTMENT

Perform the following adjustment after replacing IC2 and VR1.

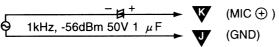
Test Equipment: Loop Simulator RC Oscillator VTVM

Preparation:

- 1. Set the unit's controls as follows:
 - A. SP-PHONE SWITCH- "ON"
 - B. VOLUME CONTROL- "MAX"
- 2. Connect the pins 21 and 24 of IC 1.
- 3. Set the variable resistor of the loop simulator to maximum resistance (fully counterclockwise).
- 4. Connect the unit. (See Fig. 1)
- 5. Make adjustment in a quiet room.

Speakerphone Transmission Level:

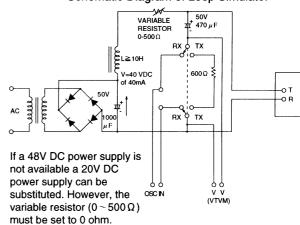
- 1. Set the loop simulator selector switch to "TX".
- 2. Connect the RC Oscillator to Test Point $\sqrt{(-)-\sqrt{(+)}}$, and connect an electrolytic capacitor (50 V, 1 μ F) as shown below.
- 3. Set RC Oscillator to 1 kHz, -51 dBm.

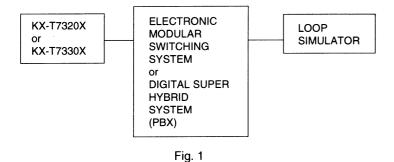


4. Adjust VR2 for a reading of -17.0 dBm±0.5dB on the VTVM.

Please refer to the Circuit Board and wiring Connection Diagram which is located at the test point (∇) .

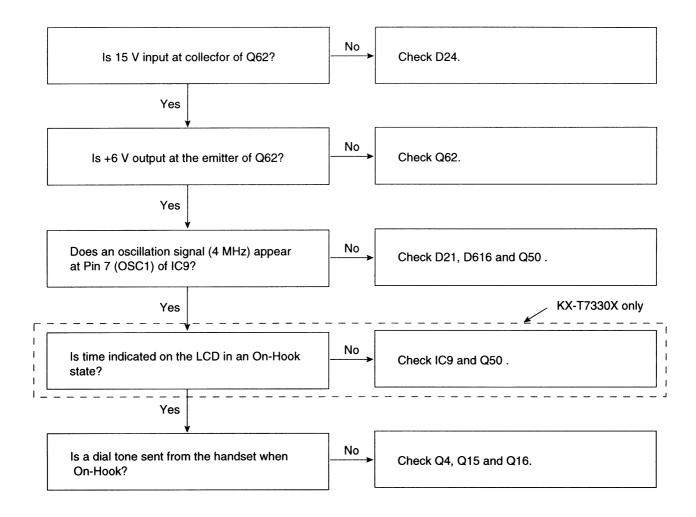
Schematic Diagram of Loop Simulator



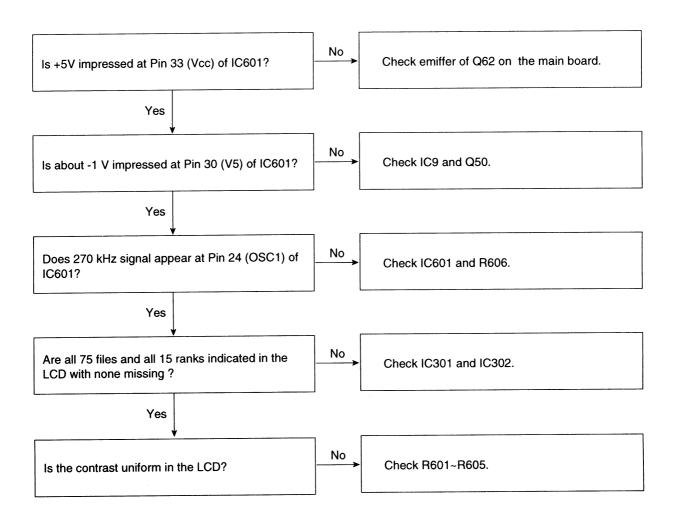


TROUBLESHOOTING GUIDE

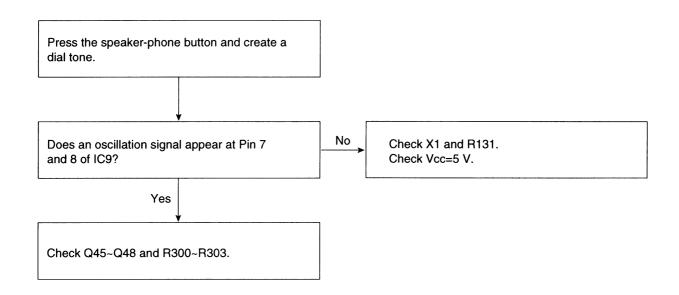
1. NO OPERATION



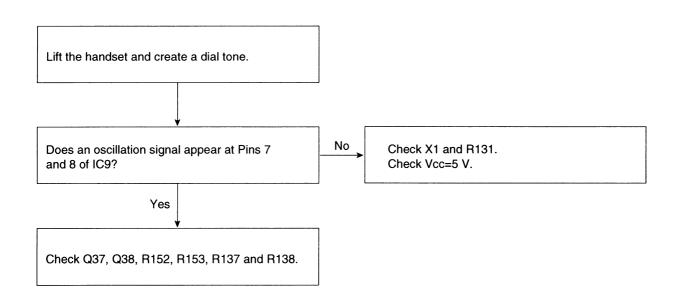
2. THE LCD DOES NOT OPERATE. (KX-T7330X only)



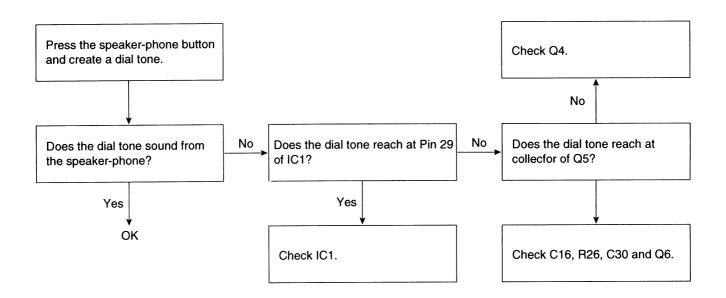
3. THE ELECTRONIC VOLUME OF THE SPEAKER-PHONE DOES NOT WORK.



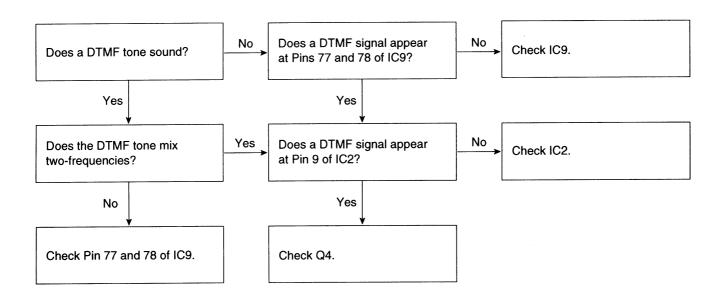
4. THE ELECTRONIC VOLUME OF HANDSET DOES NOT WORK.



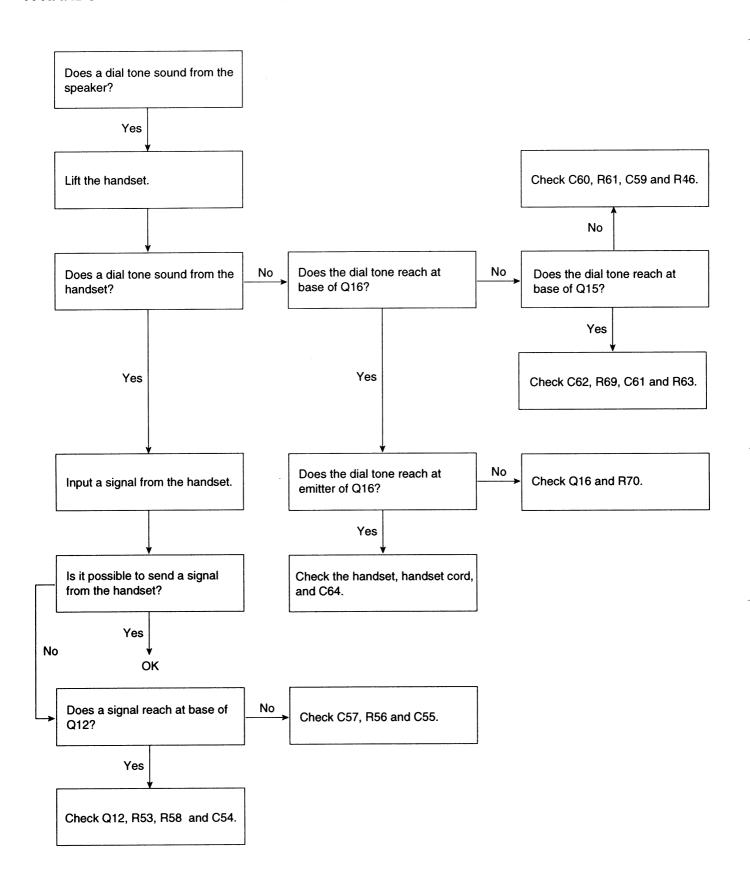
5. SPEAKER-PHONE TROUBLE.



6. TONE DIAL TROUBLE.



7. HANDSET TROUBLE.



TERMINAL GUIDE OF IC'S, TRANSISTORS AND DIODES

30 16 15	8 Transport	8,15	64 65 65 80 1 25 24	E C B
PQVISC77655V	PQVITC4011BF PQVITC4066BF	PQVINJM2904F	PSVI44780B24 PSVI4688A54F	2SA1625
E _C B	BE	°	E C B	BCE
PQVT2N6517CA	2SB1218A,PQVTE PQVTDTC123E,P0 2SD1819A,UN521	QVTDTA143XU	PQVTBB1J3P	2SC1740S
E C B		Cathode	Anode	R
2SD2136	PQVDS1YB40F1	1SS119	MA4068 MA4036	PSVDPY4607K
Cathode	Anode			
LN28RCALXUX8	LN376GCPX			

HOW TO REPLACE FLAT PACKAGE IC

PREPARATION

SOLDER - - - - - Sparkle Solder 115A-1, 115B-1
OR
Almit Solder KR-19, KR-19RMA

· Soldering iron – – – – Recommended power consumption will be between 30 W to 40 W. Temperature of Copper Rod 662 \pm 50 °F (350 \pm 10 °C)

(An expert may handle 60~80 W iron, but a beginner might damage the foil by overheating.)

· Flux - - - - - - - HI115 Specific gravity 0.863

(Original flux will be replaced daily.)

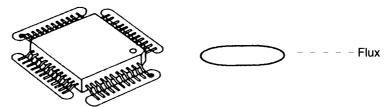
PROCEDURE

1. Temporary fix the FLAT PACKAGE IC by soldering on two marked 2 pins.

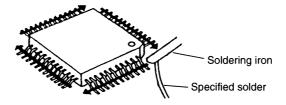


*Accurate setting of the IC to the corresponding soldering foil is vital.

2. Apply flux to the all pins of the FLAT PACKAGE IC.

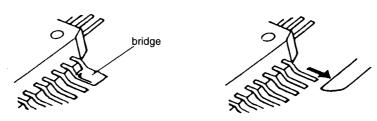


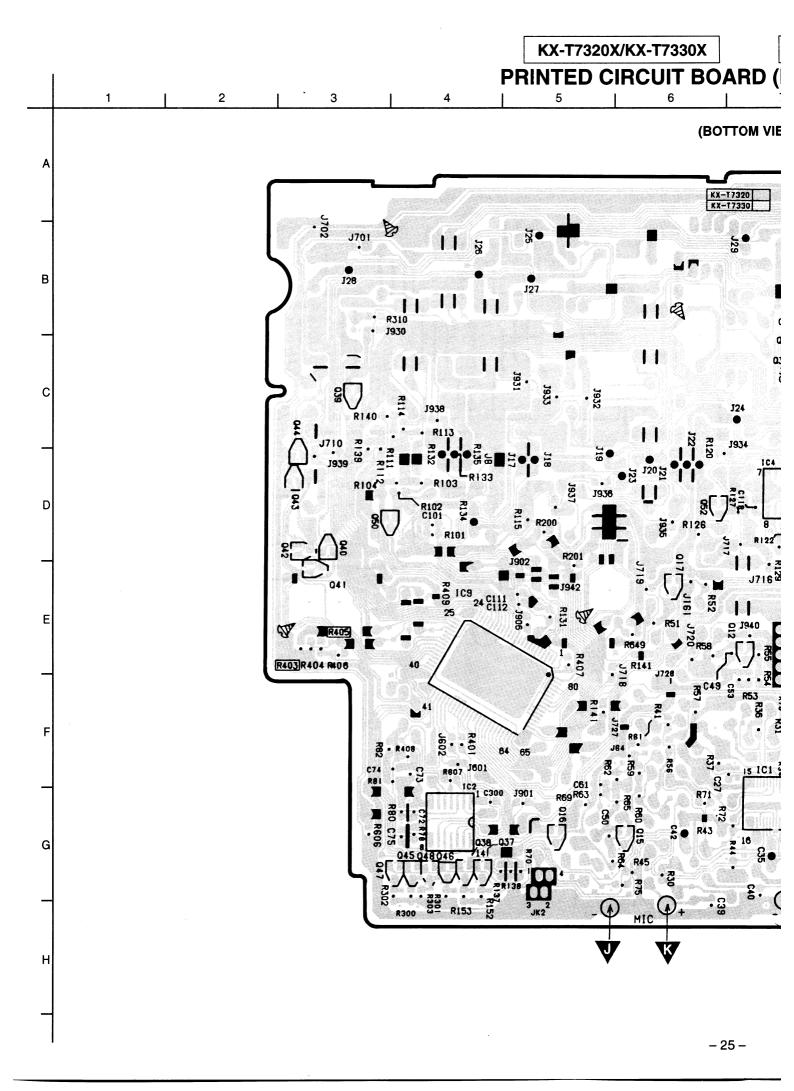
3. Solder the specified solder in the direction of the arrow, while sliding the soldering iron.



MODIFICATION PROCEDURE OF BRIDGE

- 1. Re-solder slightly on bridged portion.
- 2. Remove any remaining solder along the pins using a soldering iron as shown below.





BOARD (MAIN BOARD)

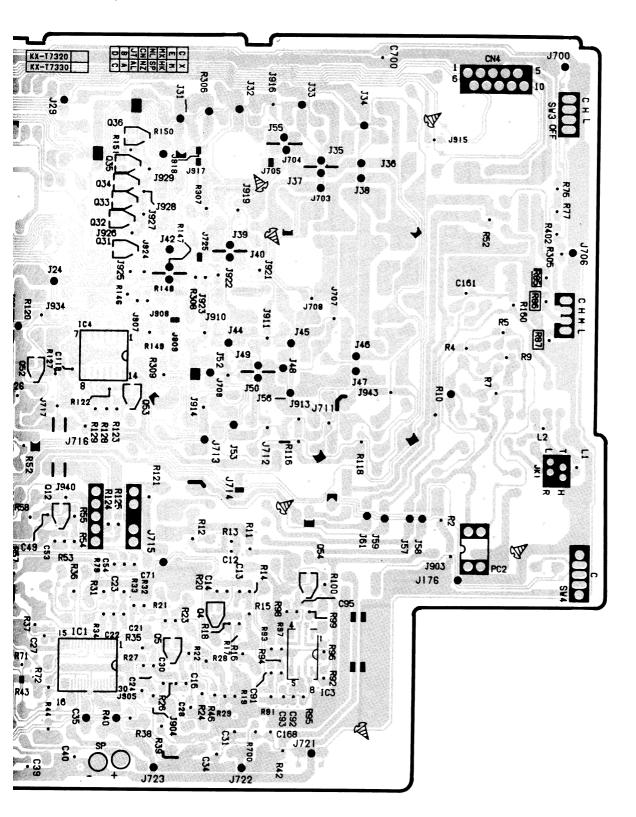
8 | .

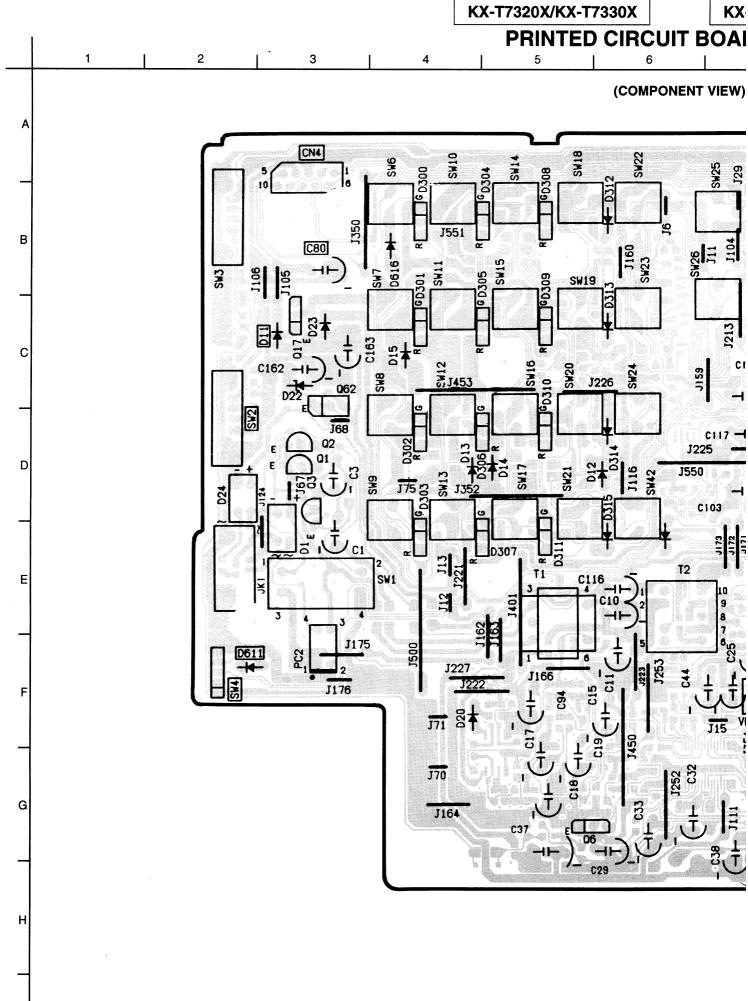
10

11

12

(BOTTOM VIEW)

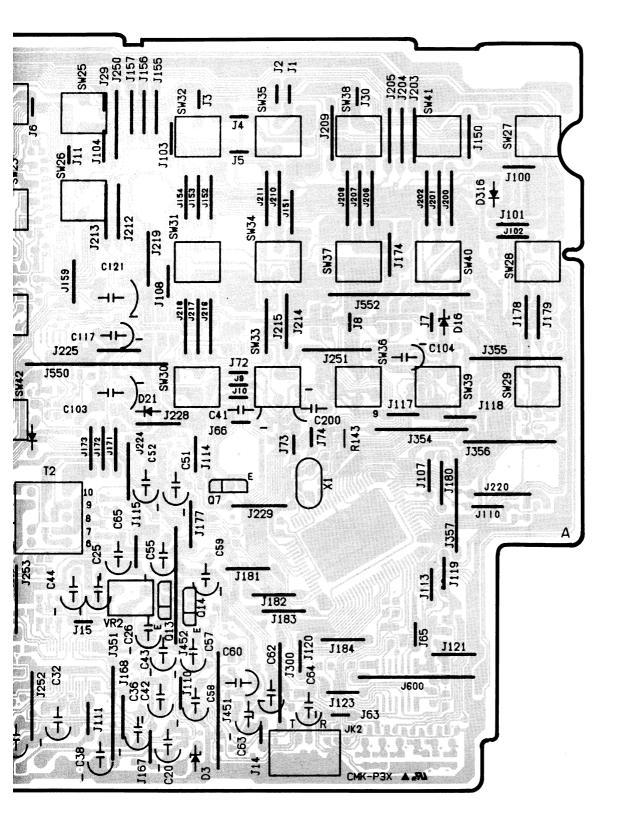


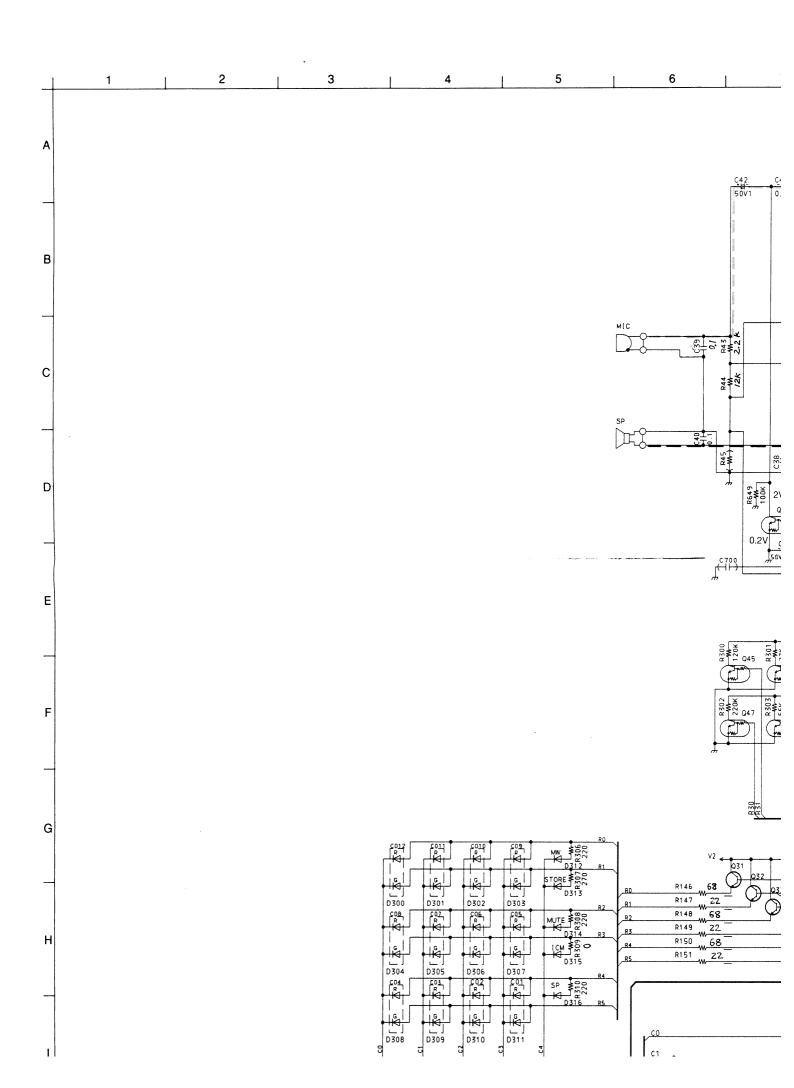


CUIT BOARD (MAIN BOARD)

7 | 8 | 9 | 10 | 11 | 12

MPONENT VIEW)





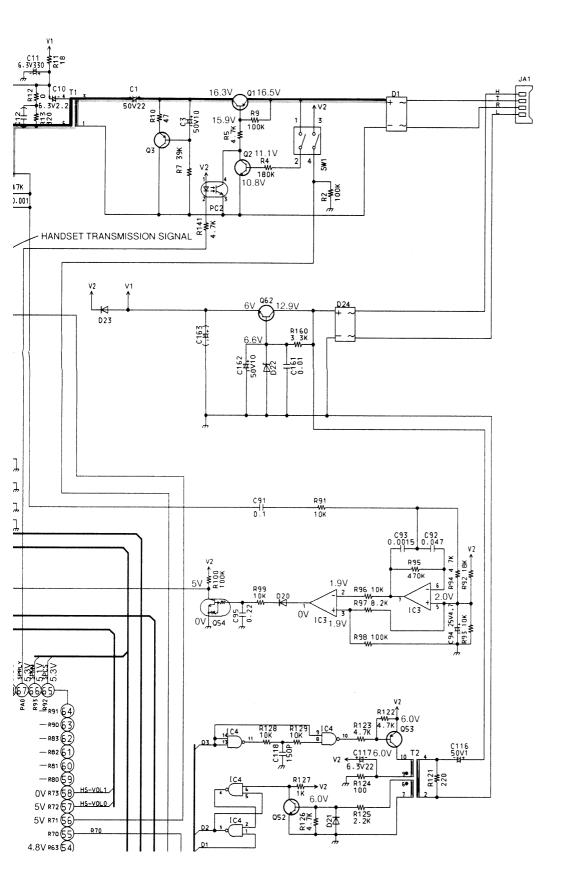
SCHEMATIC DIAGRAM (KX-T7320X)

12

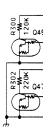
11

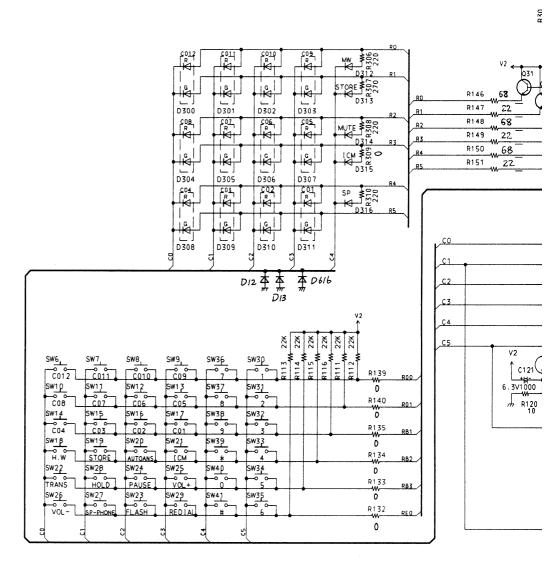
SPEAKER RECEPTION SIGNAL C43 0.22 R30 100K R31 2.2M R32 30K R33 68K C20 6.3V47 R39 C21 0.05B 2.4V 920 R34 8.2 K C44 50V1 R35 3.9 K C22 0.1 C23 0.015 C24 0.047 C31 0.001 C32 B* 25V4.7 6.3V 28Y@ VLC TRL (R36 2.7M 0٧, RLO @ 2.9V 2.9V C25 50V1 WC I (G ٧B MCO E 2.9V R44 12× R20 47K SKI C14 0.001 2.7VC26 25V4.7 AC0 6V V1 1 R42 W-C36 3.3 HANDSET TF R45 ₩ C37 6.3V100 C51 6.3V330 -1 --- C168 £5. \$5± V2 SPEAKER TRANSMISSION SIGNAL R649 100K Q7 HANDSET RECEPTION SIGNAL 017 0V 0.2V C41 50V0.47 R63 2.7K C59 50V1 6V ,5°5+ 153 ¥ 270k 270k 2.9V 0.018 JA2 0.0330 1V C49 0.8V 1 2V 102× 2046 24004€ 220k 22 \$45 048 R62 R60 4.3V 00 18776 5147372 110 69 68 0 66 65 5 5 5 2 V 2 5 2 V 2 5 2 V 2 5 2 V 2 5 2 V 2 5 2 V 2 5 2 V 2 5 2 V 2 5 2 V 2 5 2 V 2 5 3 V 5 3 V 5 2 V 5 2 V 5 3 V 5 2 V 5 3 V 5 2 V 5 2 V 5 3 V 5 2 V 5 2 V 5 3 V 5 2 V 5 2 V 5 3 V 5 2 V 5 2 V 5 3 V 5 2 V 5 2 V 5 3 V 5 2 V 5 2 V 5 3 V 5 2 V 5 2 V 5 3 V 5 2 V 5 2 V 5 3 V 5 2 V 5 2 V 5 3 V 5 2 V 5 2 V 5 3 V 5 2 V 5 2 V 5 3 V 5 2 V 5 D5 R147 22 D7 R148 68 1 RD0 2 RD1 D9 R149 22 D10 R150 w 68 (3) RD2 5.2V D11 R151 4) RD3 5.2V 22 5 RE0/VCre1 5.2V 6 TEST 5.2V (7) osc1 2.4V 5V R72 (57) HS-VI (8) osc2 2.6V 9 RESET OV 10 x1 (11) x2 Q39 R70(55) 4.8V R63 (54)

13 | 14 | 15 | 16 | 17 | 18









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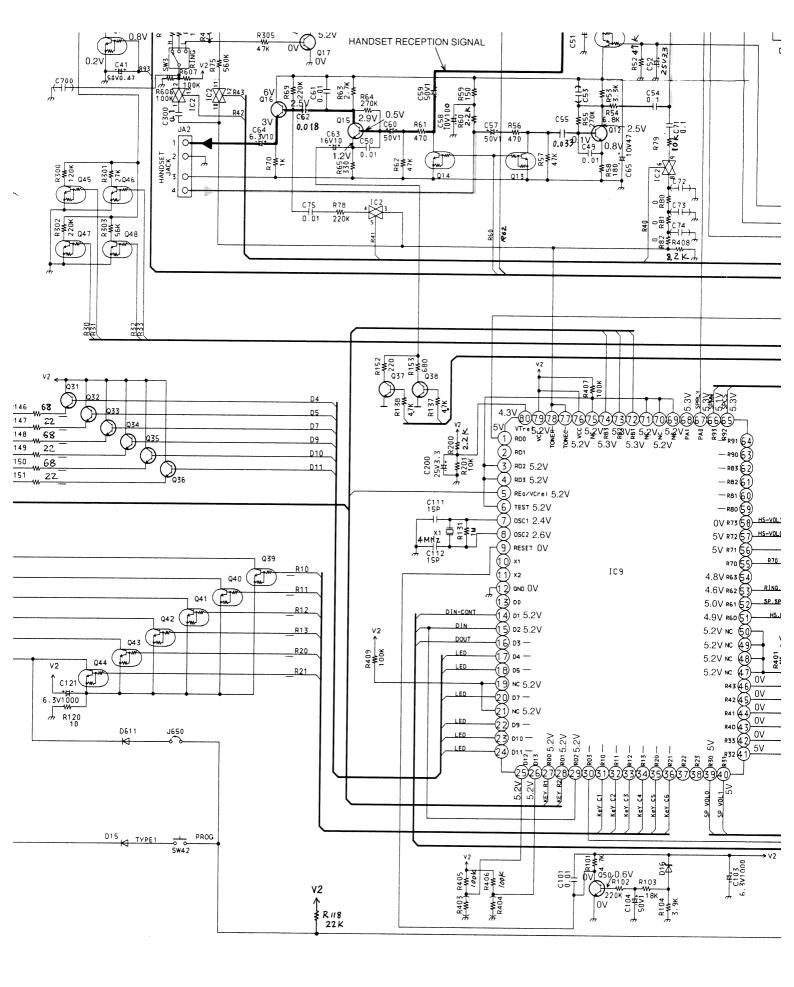
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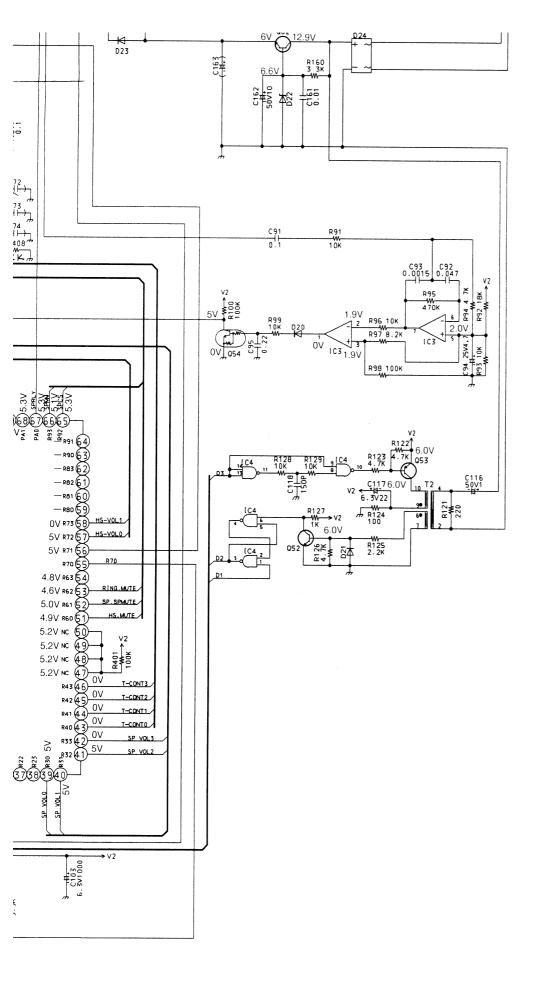
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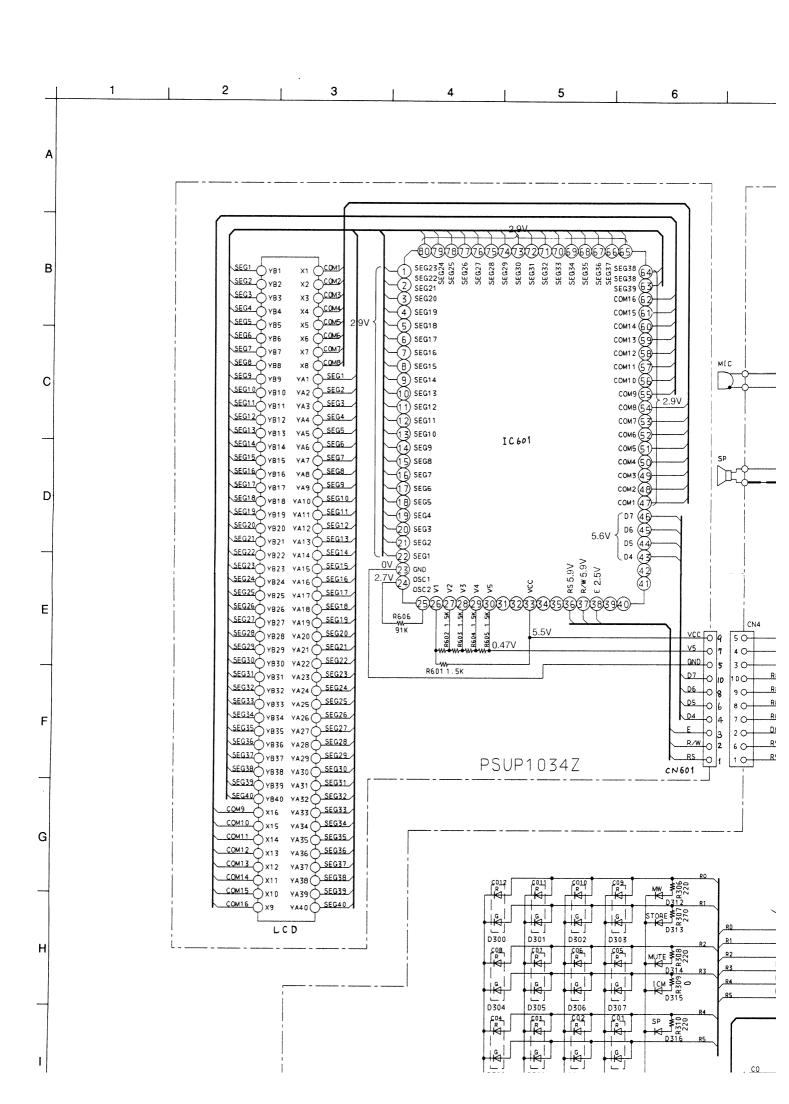
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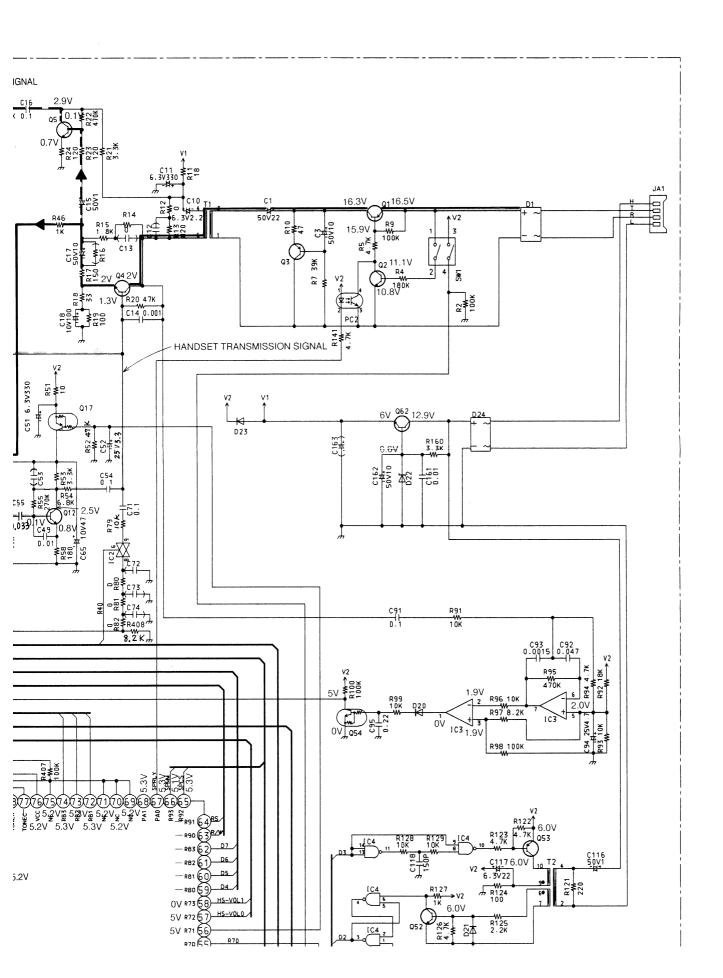


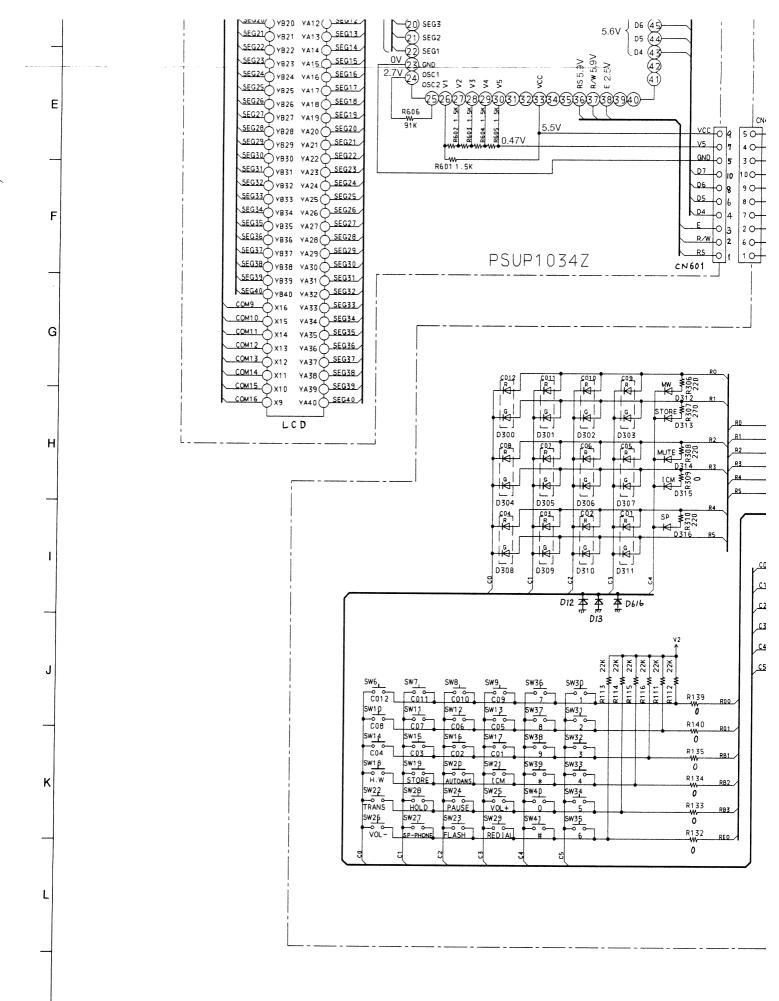


SCHEMATIC DIAGRAM (KX-T7330X)

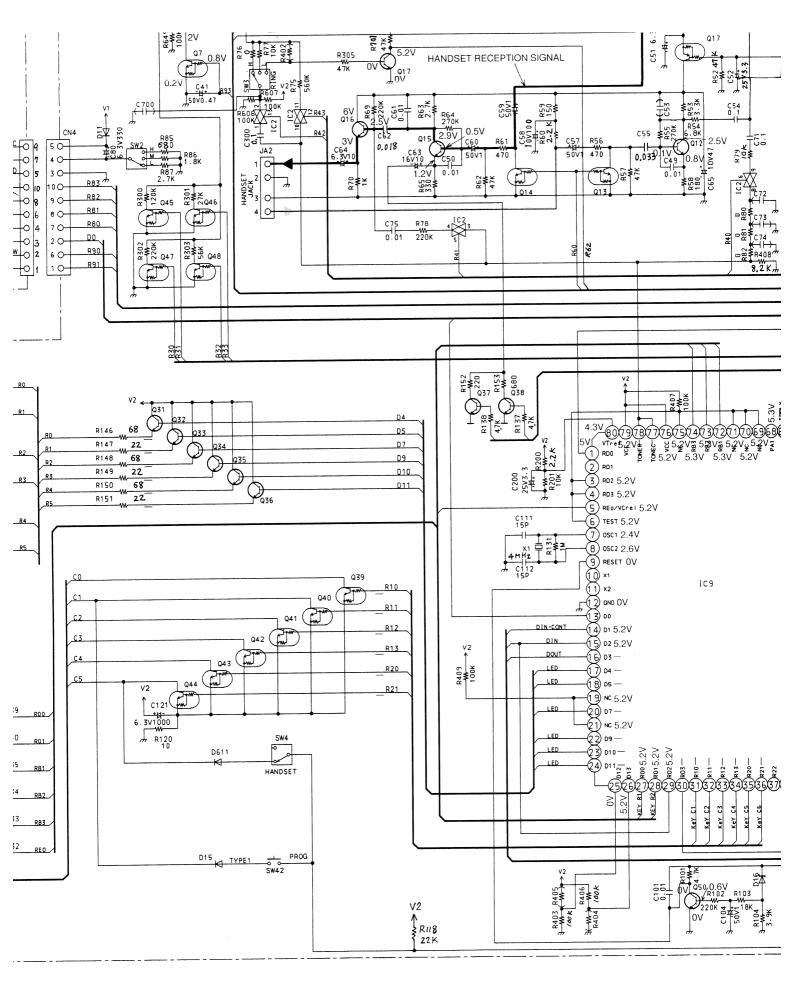
8 11 12 10 SPEAKER RECEPTION SIGNAL C30 0.1¥25 25 R30 100K C20 6.3V47 IC1 R32 30K R33 68K C21 0.068 √) 1XT R34 8.2K C44 50V1 C22 0.1 0.001 C32 25V4.7 C23 0.015 VLC R35 3.9 K R36 2.7M C25 50V1 C24 0.047 R40 W 150K) xpc R28 6.8 K 0V 1.920212223 5.82 5.82 5.45 RLO (\$\$\$ 2.9V WCI (6 WC O C33 10V100 2.9V 2¥4 2× 7× 2.6V R41 W-10K 2.7V C26 25V4.7 XDI (skg (845 ★ C51 6.3V330 C168 .5₹5± SPEAKER TRANSMISSION SIGNAL R649 100K Q7 0.80 HANDSET RECEPTION SIGNAL C41 50V0.47 7.5 ¥89 7.220K \$ 2.9V 0.5V R56 W-470 C57 50V1)012 50 V5 0 GND 0 5 3 O 0 R83 58 ¥¥ D7 7¥¥¥ 4¥¥¥ -0 lo 100 £2046 ¥2046 R82 <u>D6</u> 90 R81 0 8 (-0 6 R80 70 2 🔿 £ 3 048 R90 6 O 86 RS N601 R33 R146 V60/9/8/7/6/5/4/3/2/1 VTro5&V& U 95&V258V25& POO 5 5 55.2V 5.3V 5.3V R147 22 \$ 5.2V 5.3V 5.3V D.7 7VI VTre 5,2V 1 RD0 9 2 RD1 -3 RD2 5.2V R148 68 D9 R149 22 D10 R3 R150 68 D11 4) RD3 5.2V R151 22 C111 15P TEST 5.2V R131

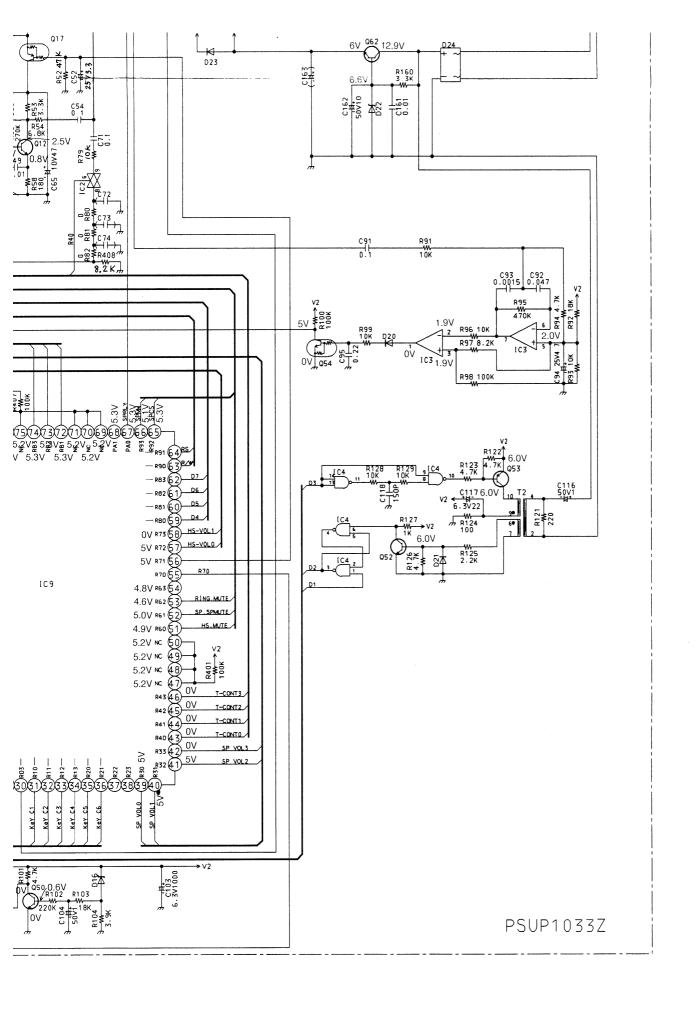






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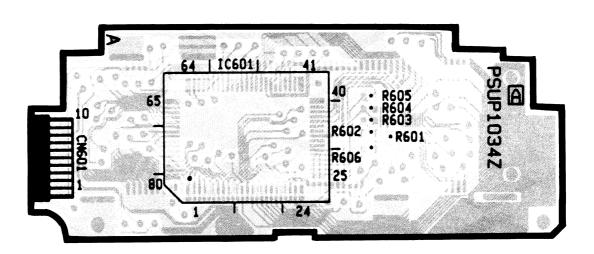




KX-T7320X/KX-T7330X

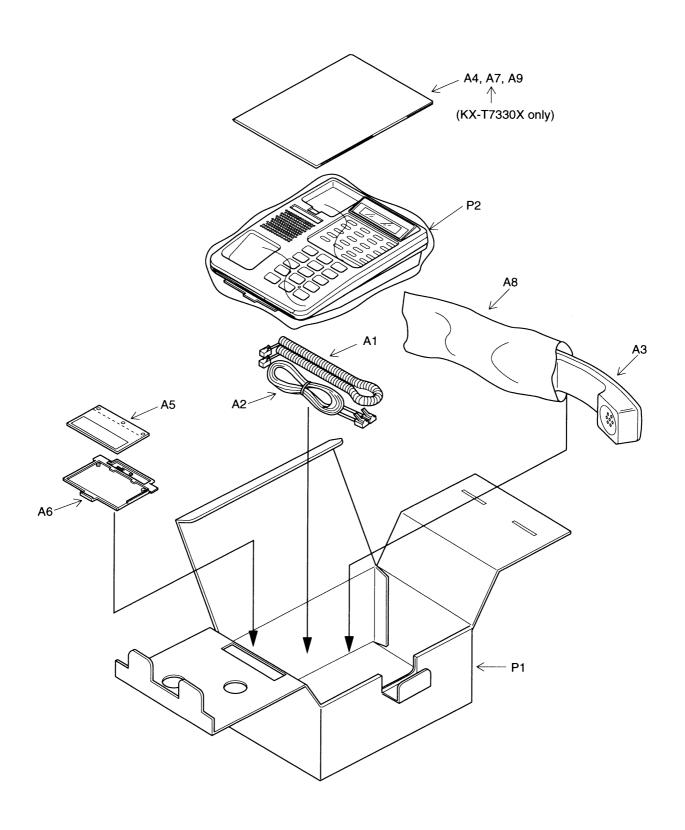
PRINTED CIRCUIT BOARD

1 | 2 | 3 | 4 | 5 | 6

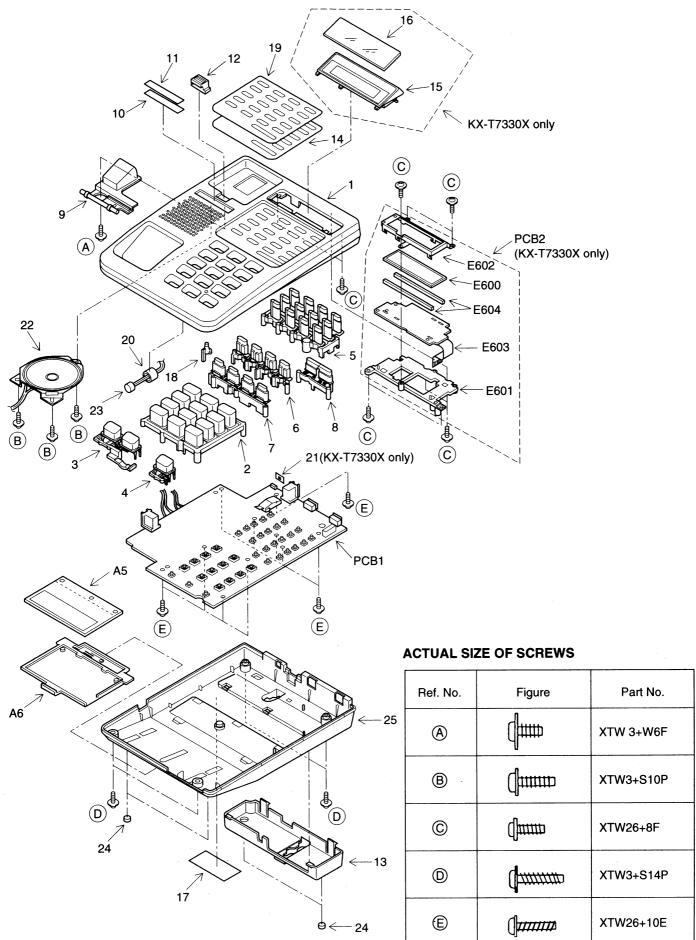


D

ACCESSORIES AND PACKING MATERIALS



CABINET AND ELECTRICAL PARTS LOCATION



This replacement parts list is for KX-T7330X only.

Refer to the simplified manual (cover) for other areas.

This repla	acement pa	rts lis	t is	for	KX-T	7330X	only.
	REPL	ACEM	ΕN	T PAF	TS L	IST	
				Model	KX-T7	330X	
Notes:						000/1	,
After the of continue to period of a accordance	g (RTL) indicated discontinuation of the available for availability isdeped with the laws good of this period	f this ass a specific endent or overning	emb per the part	oly in pro- riod of tin type of a and pro-	duction, ne. The assembly duct rete	the item retentior y, and in ntion.	will 1
Important s Componen for safety.	afety notice. ts identified by	∆ mark	have	special	characte	ristics im	nportant
,	acing any of thes	se compo	nent	s, use or	nly manu	ıfacturer'	S
	indicates servic	e standa	rd p	arts and	may diffe	er from p	roduction
•	S & CAPACITOR	RS					
	erwise specified						
	are in ohms (Ω						
•	rs are in MICRO		β(μF) P= μμΙ	=		
	ttage of Resistor	r					
Type ERC:Solid	ERX:Metal	Tilm	DOL	D.Corbo			
ERD:Carbon			PQRD:Carbon PQRQ:Fuse				
PQ4R:Chip	ERO:Metal		ERF:Wire Wound				
Wattage	12110.motar i	,,,,,			Juna		
,	W 14,25,S2:1/4	1W 12,	50,S	1:1/2W	1:1W	2:2W	5:5W
-	tage of Capacito						
Туре							
ECFD:Semi-	Conductor	ECCD,E	CKI),PQCB0	,PQVP:	Ceramic	
ECQS:Styro	Ì	ECQM,	ECQ	V,ECQE,	ECQU,E	CQB:Po	lyester
PQCBX,ECU	JV:Chip	1 '		z,ECOS:	,	rtic	
ECMS:Mica		ECQP:F	olyp	roplylen	е		
Voltage	•						
ECQ Type	ECQG	ECSZ T	ype		Oth	ners	l
411 5014	ECQV Type	05.0.4		01 0	0) (417 6	514
1H: 50V	05: 50V	OF:3.15			.3V		35V
2A:100V 2E:250V	1:100V 2:200V	1A:10V 1V:35V		1A :10 1C :10	V0	50,1H:5 1J :6	37
2H:500V	2.200 v	OJ:6.3\		1E,25:2			00V
211.300 V		00.0.5		,2.5.2.		A . I'	
Ref. No.	Part No.	Par	t Na	me & De	scription	1	Pcs
				07010 ::			
	Γ	RINFT &	FIF	CTRICAL	PARTS		

Ref. No.	Part No.	Part Name & Description	Part Name & Description			
	C	ABINET & ELECTRICAL PARTS				
1	PSKM1018G1	CABINET BODY		1		
2	PSBX1003X1	BUTTON, DIAL		1		
3	PSBX1004Y1	BUTTON, REDIAL/HOLD		1		
4	PSBX1005Y1	BUTTON, SP-PHONE		1		
5	PSBX1022Z1	BUTTON, CO		1		
6	PSBX1023Y1	BUTTON, INTERCOM etc.		1		
7	PSBX1024Z1	BUTTON, PROGRAM etc.		1		
8	PSBX1025Z1	BUTTON, VOLUME		1		
9	PQBH10011X2	BUTTON, HOOK		1		
10	PQHP532X	CARD, TEL. NO.		1		
11	PQHR576Z	TRANSPARENT PLATE		1		
		(for TEL. NO. CARD)				
12	PQKE82Z1	HANGER	s	1		
13	PQKL37Y7	STAND		1		
14	PSGD1004Y1	CARD, TEL. NO. (MESSAGE)		1		
15	PSGG1003Z1	GRILLE		1		
16	PSGP1003Z1	PANEL, LCD		1		
17	PSGT1061Z	NAME PLATE		1		
18	PSHR1033Z	COVER, LED	ļ	1		
19	PSHR1035Y	TRANSPARENT PLATE		1		
		(for TEL. NO. CARD)				
1	1					

Ref. No.	Part No.	Part Name & Description	Pcs
20	PQHG503Z	RUBBER PARTS, MIC COVER	1
21	PSHX1068Z	COVER, SWITCH	1
22	PQAS65P32Z	SPEAKER	1
23	RJM142Z	BUILTIN-MICROPHONE S	1
24	PQHG316Z	RUBBER PARTS, LEG	4
25	PQKF196A7	CABINET, BOTTOM	1
	ACCESSORIES A	ND PACKING MATERIALS	
A1	PQJA214Y	CORD, HANDSET	1
A2	PQJA48W	CORD, TEL.	1
A 3	PQJX2PSL01Y	HANDLE/HANDSET	1
A4	PSQX1036Z	INSTRUCTION BOOK	1
A5	PQHP5107Z	CARD, MEMORY	1
A6	PQHR9565Y7	GUIDE, MEMORY CARD	1
A7	PSGD1005Z	CARD, OVERLAY	1
A8	PQPH75Z	PROTECTION COVER	1
A9 (14)	PSGD1004X1	CARD, TEL. NO. (CONFERENCE)	1
L.			
P1	PSPK1203Z	GIFT BOX	1
P2	XZB26X40A01	PROTECTION COVER	1
1			
		MAIN BOARD BARTS	
		MAIN BOARD PARTS	
PCB1	PSWP1T7330X	MAIN BOARD PARTS MAIN BOARD ASS'Y(RTL)	1
PCB1	PSWP1T7330X		1
PCB1	PSWP1T7330X PQVISC77655V	MAIN BOARD ASS'Y(RTL)	1
		MAIN BOARD ASS'Y(RTL) (ICs)	
IC1	PQVISC77655V	MAIN BOARD ASS'Y(RTL) (ICs) IC	1
IC1 IC2	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC IC	1
IC1 IC2 IC3	PQVISC77655V PQVITC4066BF PQVINJM2904F	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC S	1 1 1
IC1 IC2 IC3 IC4	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC IC	1 1 1
IC1 IC2 IC3 IC4	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC IC	1 1 1
IC1 IC2 IC3 IC4	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC IC	1 1 1
IC1 IC2 IC3 IC4 IC9	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF PSVI4688A54F	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC IC IC IC IC	1 1 1
IC1 IC2 IC3 IC4 IC9	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC IC	1 1 1
IC1 IC2 IC3 IC4 IC9	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF PSVI4688A54F	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC IC IC IC IC	1 1 1 1 1
IC1 IC2 IC3 IC4 IC9 Q1 Q2 Q3	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF PSVI4688A54F 2SA1625 PQVT2N6517CA 2SA1625	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC (TRANSISTORS) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI)	1 1 1 1 1 1
IC1 IC2 IC3 IC4 IC9	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF PSVI4688A54F 2SA1625 PQVT2N6517CA 2SA1625 2SD1819A	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC (TRANSISTORS) TRANSISTOR(SI) TRANSISTOR(SI)	1 1 1 1 1 1 1 1 1 2
IC1 IC2 IC3 IC4 IC9 Q1 Q2 Q3	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF PSVI4688A54F 2SA1625 PQVT2N6517CA 2SA1625	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC (TRANSISTORS) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI)	1 1 1 1 1 1 1
IC1 IC2 IC3 IC4 IC9 Q1 Q2 Q3 Q4,5 Q6,7	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF PSVI4688A54F 2SA1625 PQVT2N6517CA 2SA1625 2SD1819A PQVTBB1J3P	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC (TRANSISTORS) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) STRANSISTOR(SI) TRANSISTOR(SI)	1 1 1 1 1 1 1 1 1 2
IC1 IC2 IC3 IC4 IC9 Q1 Q2 Q3 Q4,5 Q6,7	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF PSVI4688A54F 2SA1625 PQVT2N6517CA 2SA1625 2SD1819A PQVTBB1J3P 2SD1819A	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC (TRANSISTORS) TRANSISTOR(SI)	1 1 1 1 1 1 1 2 2
IC1 IC2 IC3 IC4 IC9 Q1 Q2 Q3 Q4,5 Q6,7	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF PSVI4688A54F 2SA1625 PQVT2N6517CA 2SA1625 2SD1819A PQVTBB1J3P 2SD1819A PQVTBB1J3P	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC (TRANSISTORS) TRANSISTOR(SI) STRANSISTOR(SI)	1 1 1 1 1 1 2 2
IC1 IC2 IC3 IC4 IC9 Q1 Q2 Q3 Q4,5 Q6,7 Q12 Q13,14 Q15,16	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF PSVI4688A54F 2SA1625 PQVT2N6517CA 2SA1625 2SD1819A PQVTBB1J3P 2SD1819A PQVTBB1J3P 2SD1819A	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC (TRANSISTORS) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) STRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) STRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) SSC4081Q) S	1 1 1 1 1 1 2 2
IC1 IC2 IC3 IC4 IC9 Q1 Q2 Q3 Q4,5 Q6,7	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF PSVI4688A54F 2SA1625 PQVT2N6517CA 2SA1625 2SD1819A PQVTBB1J3P 2SD1819A PQVTBB1J3P	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC IC (TRANSISTORS) TRANSISTOR(SI)	1 1 1 1 1 1 2 2
IC1 IC2 IC3 IC4 IC9 Q1 Q2 Q3 Q4,5 Q6,7 Q12 Q13,14 Q15,16 Q17	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF PSVI4688A54F 2SA1625 PQVT2N6517CA 2SA1625 2SD1819A PQVTBB1J3P 2SD1819A PQVTBB1J3P 2SD1819A PQVTBB1J3P	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC IC IC (TRANSISTORS) TRANSISTOR(SI) STRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) (for BOTTOM SIDE ON THE PCB)	1 1 1 1 1 2 2 1 2 2 1
IC1 IC2 IC3 IC4 IC9 Q1 Q2 Q3 Q4,5 Q6,7 Q12 Q13,14 Q15,16	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF PSVI4688A54F 2SA1625 PQVT2N6517CA 2SA1625 2SD1819A PQVTBB1J3P 2SD1819A PQVTBB1J3P 2SD1819A	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC IC IC (TRANSISTORS) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) STRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) (for BOTTOM SIDE ON THE PCB) TRANSISTOR(SI)	1 1 1 1 1 1 2 2
IC1 IC2 IC3 IC4 IC9 Q1 Q2 Q3 Q4,5 Q6,7 Q12 Q13,14 Q15,16 Q17	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF PSVI4688A54F 2SA1625 PQVT2N6517CA 2SA1625 2SD1819A PQVTBB1J3P 2SD1819A PQVTBB1J3P 2SD1819A PQVTBB1J3P 2SD1819A PQVTDTA143XU 2SC1740S	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC IC IC (TRANSISTORS) TRANSISTOR(SI) (for 2SC4081Q) STRANSISTOR(SI) TRANSISTOR(SI) (for 2SC4081Q) STRANSISTOR(SI) (for BOTTOM SIDE ON THE PCB) TRANSISTOR(SI) (for COMPONENT SIDE ON THE PCB)	1 1 1 1 1 1 2 2 1 2 2 1 1 1
IC1 IC2 IC3 IC4 IC9 Q1 Q2 Q3 Q4,5 Q6,7 Q12 Q13,14 Q15,16 Q17 Q17	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF PSVI4688A54F 2SA1625 PQVT2N6517CA 2SA1625 2SD1819A PQVTBB1J3P 2SD1819A PQVTBB1J3P 2SD1819A PQVTDTA143XU 2SC1740S 2SD1819A	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC IC IC (TRANSISTORS) TRANSISTOR(SI) (for 2SC4081Q) STRANSISTOR(SI) (for 2SC4081Q) STRANSISTOR(SI) (for BOTTOM SIDE ON THE PCB) TRANSISTOR(SI) (for COMPONENT SIDE ON THE PCB) TRANSISTOR(SI) (for COMPONENT SIDE ON THE PCB)	1 1 1 1 1 1 2 2 1 1 2 2 1 1 8
IC1 IC2 IC3 IC4 IC9 Q1 Q2 Q3 Q4,5 Q6,7 Q12 Q13,14 Q15,16 Q17	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF PSVI4688A54F 2SA1625 PQVT2N6517CA 2SA1625 2SD1819A PQVTBB1J3P 2SD1819A PQVTBB1J3P 2SD1819A PQVTBB1J3P 2SD1819A PQVTDTA143XU 2SC1740S	MAIN BOARD ASS'Y(RTL) (ICs) IC IC IC IC IC IC IC (TRANSISTORS) TRANSISTOR(SI) (for 2SC4081Q) STRANSISTOR(SI) TRANSISTOR(SI) (for 2SC4081Q) STRANSISTOR(SI) (for BOTTOM SIDE ON THE PCB) TRANSISTOR(SI) (for COMPONENT SIDE ON THE PCB)	1 1 1 1 1 1 2 2 1 2 2 1 1 1

This replace	ment parts list is for	KX-T7330X only.	Refer to the simplified manual (cover) for other areas.

Ref. No.	Part No.	Part Name & Description		Pcs	Ref. No.	Part No.	Part Name & Description		Pcs
Q40-44	PQVTDTC123E	TRANSISTOR(SI)		5	C40	PQCUV1E104MD	0.1	-	1
Q45-48	PQVTDTC143E	TRANSISTOR(SI)		4	C41	ECEA1HKSR47	0.47	٩	1
Q43-40	I QVIDIO143E	THANGIOTOTI(GI)		7	C42	ECEA1HKS010	1	ď	1
Q50	2SD1819A	TRANSISTOR(SI) (or 2SC4081Q)	s	1	C43	ECEA1HKSR22	0.22	ď	1
Q52	2SD1819A	TRANSISTOR(SI) (or 2SC4081Q)	S		C44	ECEA1HKS010	1	Š	1
Q52 Q53	2SB1218A	TRANSISTOR(SI) (or 2SA1576Q)	S	i e	C49	PQCUV1H103KB	0.01	٦	1
Q54	UN5213	TRANSISTOR(SI)	9	1	049	I GCOVIIIIOSKB	0.01		,
Q62	2SD2136	TRANSISTOR(SI)	3	1	C50	PQCUV1H103KB	0.01	1	1
QOZ	2302130	THANSISTON(SI)		'	C51	ECEA0JU331	330		1
					C52	ECEA0J0331	3.3	۵	
		(DIODEC)			C52			S	1
	DOMBO47/D40E4	(DIODES)				PQCUV1E104MD	0.1	s	1
D1	PQVDS1YB40F1	DIODE(SI)	S	1	C55	ECQV1H333JZ	0.033	5	1
D11,12,13	4	DIODE(SI) (or 1SS131)	S	3	C57	ECEA1HKS010		S	1
D15	1SS119	DIODE(SI) (or 1SS131)	S	1	C58	ECEA1CK101	100	S	1
D16	MA4036	DIODE(SI)		1	C59	ECEA1HKS010	1	s	1
D20,21	1SS119	DIODE(SI) (or 1SS131)	S	2					
D22	MA4068	DIODE(SI)		1	C60	ECEA1HKS010	1	S	1
D23	1SS119	DIODE(SI) (or 1SS131)	s	1	C61	PQCUV1H103KB	0.01		1
D24	PQVDS1YB40F1	DIODE(SI)		1	C62	ECQB1H183JF	0.018		1
					C63,64	ECEA1CKS100	10	s	2
D300-311	PSVDPY4607K	DIODE(SI)		12	C65	ECEA1CKS470	47	s	1
D312,313	LN28RCALXUX8	LED	s	2			1		
D314	LN28RCALXUX8	LED	S	1	C71	PQCUV1E104MD	0.1	s	1
D315	LN376GCPX	LED		1	C75	PQCUV1H103KB	0.01		1
D316	LN28RCALXUX8	LED	S	1	C80	ECEA0JU331	330		1
D611	1SS119	DIODE(SI) (or 1SS131)	s	1	1				
D616	1SS119	DIODE(SI) (or 1SS131)	s	1	C91	PQCUV1E104MD	0.1	s	1
150.0	100110	2.022(0.) (0. 100.01)		·	C92	PQCUV1E473MD	0.047	1	1
					C93	PQCUV1H152KB	0.0015		1
		(CONNECTOR)			C94	ECEA1HKS4R7	4.7	s	1
CN4	PQJS10X54Z	CONNECTOR, 10P		1	C95	PQCUV1C224ZF	0.22	٦	1
CIN4	FQ3510X54Z	CONNECTOR, 10F		'	C95	F QCOV 1022421	0.22	٦	'
					C101	PQCUV1H103KB	0.01		4
		(CARACITORS)			C101	li .	l .		1
	505441114000	(CAPACITORS)			1	ECEA0JU102	1000	٦	1
C1	ECEA1HK220	22		1	C104	ECEA1HKS010	[1	S	1
СЗ	ECEA1HKS100	10	S	1		2001114444	1		_
					C111,112	PQCUV1H150JC	15P		2
C10	ECEA1HKS2R2	2.2		1	C116	ECEA1HKS010	1	S	1
C11	ECEA0JU331	330		1	C117	ECEA0JKS220	22	S	1
C14	PQCUV1H102J	0.001	s	1	C118	PQCUV1H151JC	150P	- 1	1
C15	ECEA1HKS010	1	S	1	C121	ECEA0JU102	1000	ı	1
C16	PQCUV1E104MD	0.1	s	1					
C17	ECEA1HKS100	10	s	1	C161	PQCUV1H103KB	0.01		1
C18	ECEA1CK101	100	S	1	C162	ECEA1CKS100	10	s	1
C19	ECEA1HKS010	1	s	1	C168	PQCUV1H393KB	0.039	s	1
C20	ECEA1CKS470	47	S	1	C200	ECEA1HKS3R3	3.3	s	1 -
C21	PQCUV1C683MD	0.068		1	C300	PQCUV1E104MD	0.1	s	1
C22	PQCUV1E104MD	0.1	s	1				- 1	
C23	PQCUV1H153KB	0.015	s	1					
C24		0.047		1			(JACKS)		
C25	ECEA1HKS010	1	s	1	JA1	PQJJ1TB26Z	JACK, TEL	s	1
C26	ECEA1HKS4R7	4.7	S	1	JA2	PQJJ1TB18Z	JACK, HANDSET	-	1
C27	PQCUV1C683MD	0.068	٦	1	1	233.12.02			•
C28	PQCUV1H153KB	0.015	٥	1					
C29	ECEA0JKS220	22	S S	1			(RESISTORS)		
029	LUEMUUN 322U	1	٥	'	117 10 10	DOAD 10V 1000	I .	- 1	2
COC	POCHWACCOURT	0.068	- 1	,	J17,18,19	PQ4R18XJ000	0		3
C30	PQCUV1C683MD	0.068	إ	1	J20-29	PQ4R18XJ000	0	İ	10
C31	PQCUV1H102J	0.001	S	1	J31-39	PQ4R18XJ000	0		9
C32	ECEA1HKS4R7	4.7	S	1	J40	PQ4R18XJ000	0		1
C33	ECEA1CK101	100	S	1	J42	PQ4R18XJ000	0		1
C34	PQCUV1E104MD	0.1	S	1	J44-49	PQ4R18XJ000	0		6
C35	ECUV1H104MD	0.1	S	1	1				
C36	ECEA1CK101	100	S	1	J 50	PQ4R18XJ000	0		1
C37	ECEA0JU102	1000		1	J52	PQ4R18XJ000	0	- 1	1
C38	ECEA1KC101	100	s	1	J53	PQ4R18XJ000	0	- [1
C39	PQCUV1E104MD	0.1	s	1	J55-59	PQ4R18XJ000	0		5
						<u> </u>		_	
								_	

This replacement parts list is for KX-T7330X only. Refer to the simplified manual (cover) for other areas.

Ref. No.	Part No.	Part Name & Description	Pcs	Ref. No.	Part No.	Part Name & Description	Pcs
J61	PQ4R18XJ000	0	1	R30	PQ4R10XJ104	100K	1
J64	PQ4R10XJ000	0	1	R31	PQ4R10XJ225	2.2M	1
J161	PQ4R10XJ000	0	1	R32	PQ4R10XJ303	30K	1
1004 000	DO 4D 10V 1000		_	R33	PQ4R10XJ683	68K	
J601,602	PQ4R10XJ000	0	2	R34 R35	PQ4R10XJ822 PQ4R10XJ392	8.2K	1 1
J651	PQ4R10XJ000	0	'	R36	PQ4R10XJ275	3.9K 2.7M	1 1
J700	PQ4R18XJ000	0	1	R37	PQ4R10XJ275	4.7K	'
J700 J701,702	PQ4R10XJ000	0	2	R38	PQ4R10XJ183	18K	1
J701,702 J703,704	PQ4R18XJ000	0	2	R39	PQ4R10XJ821	820	
J705,704 J705	PQ4R10XJ000	0	1	1100	G-1110X0021	020	1
J706	PQ4R18XJ000	0	1	R40	PQ4R18XJ154	150K	1
J707	PQ4R10XJ000	0	1 1	R41	PQ4R10XJ103	10K	1
J708	PQ4R10XJ000	0	1	R42	PQ4R10XJ3R3	3.3	1
J709	PQ4R10XJ000	0		R43	PQ4R10XJ222	2.2K	1
				R44	PQ4R10XJ123	12K	1
J710	PQ4R10XJ000	0	1	R46	PQ4R10XJ102	1K	1
J711	PQ4R10XJ000	0	1				
J712	PQ4R10XJ000	0	1	R51	PQ4R10XJ100	10	1 1
J713	PQ4R18XJ000	0	1 1	R52	PQ4R10XJ473	47K	1
J714	PQ4R10XJ000	0	1	R53	PQ4R10XJ332	3.3K	1
J715	PQ4R18XJ000	0	1 1	R54	PQ4R10XJ682	6.8K	1 1
J716-719	PQ4R10XJ000	0	4	R55	PQ4R10XJ274	270K	1
			1 1	R56	PQ4R10XJ471	470	1
J720	PQ4R10XJ000	0	1	R57	PQ4R10XJ473	47K	1
J721	PQ4R18XJ000	o	1 1	R58	PQ4R10XJ181	180	1
J722	PQ4R18XJ000	0	1 1	R59	PQ4R10XJ151	150	1
J723	PQ4R18XJ000	0	1				
J725	PQ4R10XJ000	0	1	R60	PQ4R10XJ222	2.2K	1
J727,728	PQ4R10XJ000	0	2	R61	PQ4R10XJ471	470	1
				R62	PQ4R10XJ473	47K	1
J901-909	PQ4R10XJ000	0	9	R63	PQ4R10XJ272	2.7K	1
J910,911	PQ4R10XJ000	0	2	R64	PQ4R10XJ274	270K	1
J913-919	PQ4R10XJ000	0	7	R65	PQ4R10XJ331	330	1
J921-929	PQ4R10XJ000	0	9	R69	PQ4R10XJ224	220K	1
J930-939	PQ4R10XJ000	0	10				1
J940	PQ4R10XJ000	0	1	R70	PQ4R10XJ102	1K	1
J942	PQ4R10XJ000	0	1 1	R71	PQ4R10XJ473	47K	1
J943	PQ4R10XJ000	0	1	R72	PQ4R10XJ393	39K	1
			1	R75	PQ4R10XJ564	560K	1
L1,L2	PQ4R10XJ000	0	2	R76	PQ4R10XJ000	0	1
				R77	PQ4R10XJ103	10K	1
R2	PQ4R10XJ104	100K] 1	R78	PQ4R10XJ224	220K	1
R4	PQ4R10XJ184	180K	1 1	R79	PQ4R10XJ103	10K	1
R5	PQ4R10XJ472	4.7K	1	ł			
R7	PQ4R10XJ393	39K	1	R80	PQ4R10XJ000	0	1
R9	PQ4R10XJ104	100K	1	R81	PQ4R10XJ000	0	1
				R82	PQ4R10XJ000	0	1
				R85	PQ4R10XJ681	680	1
R10	PQ4R18XJ470	47	1	R86	PQ4R10XJ182	1.8K	1
R11	PQ4R10XJ180	18	1 1	R87	PQ4R10XJ272	2.7K	1
R12	PQ4R10XJ000	0	1 1	1			
R13	PQ4R10XJ821	820	1	R91	PQ4R10XJ103	10K	1
R14	PQ4R10XJ000	0	1	R92	PQ4R10XJ183	18K	1
R15	PQ4R10XJ182	1.8K	1	R93	PQ4R10XJ103	10K	1
R17	PQ4R10XJ151	150	1	R94	PQ4R10XJ472	4.7K	1
R18	PQ4R10XJ330	33	1 1	R95	PQ4R10XJ474	470K	1
R19	PQ4R10XJ101	100	1	R96	PQ4R10XJ103	10K	1
		1		R97	PQ4R10XJ822	8.2K	1
	PQ4R10XJ473	47K	1 1	R98	PQ4R10XJ104	100K	1
R21	PQ4R10XJ332	3.3K	1 1	R99	PQ4R10XJ103	10K	1
R22	PQ4R10XJ474	470K	1 1				
_	PQ4R10XJ121	120	2	R100	PQ4R10XJ104	100K	1
R26	PQ4R10XJ272	2.7K	1	R101	PQ4R10XJ472	4.7K	1
R26 R27	PQ4R10XJ272 PQ4R10XJ473	47K	1	R102	PQ4R10XJ224	220K	1
R26 R27 R28	PQ4R10XJ272	I I	1 1	1		•	

This re	placement pa	erts list is for KX-T7330X	only.	Refer to	Refer to the simplified manual (cover) for other areas.			
Ref. No.	Part No.	Part Name & Description	Pcs	Ref. No.	Part No.	Part Name & Description	Pcs	
R111-116	PQ4R10XJ223	22K	6	1	EVQ21005G	SWITCH	10	
R118	PQ4R10XJ223	22K	1 1		EVQ21005G	SWITCH	10	
				l I	EVQQJJ05Q	SWITCH	•	
R120	PQ4R18XJ100	10	1	SW40	EVQQJJ05Q	SWITCH		
R121	PQ4R10XJ221	220	1	SW41	EVQQJJ05Q	SWITCH	3 1	
R122	PQ4R10XJ472	4.7K	1 1	SW42	EVQ21005G	SWITCH	1	
R123	PQ4R10XJ472	4.7K	1					
R124	PQ4R10XJ101	100	1 1				1	
R125	PQ4R10XJ222	2.2K	1	1		(TRANSFORMERS)	1	
	1	4.7K	1	T1	PQLT8D2B	TRANSFORMER	1	
R126	PQ4R10XJ472		1	T2	ETE13K24AY	TRANSFORMER	1	
R127	PQ4R10XJ102	1K 10K	2	' -	LILIONZAAI	THE TOTAL CONTROL OF THE PARTY		
R128,129	PQ4R10XJ103	IUK						
R131	PQ4R10XJ105	1M	1		EVAIDA A CODO A	(VARIABLE RESISTOR)		
R132-135	PQ4R18XJ000	0	4	VR2	EVNDXAA03B24	SEMI-FIXED RESISTOR, 20K	1	
R137	PQ4R10XJ472	4.7K	1				i	
R138	PQ4R10XJ472	4.7K	1			1	1	
R139	PQ4R10XJ000	О	1			(CRYSTAL OSCILLATOR)	1	
				X1	PQVCX4000N8Z	CRYSTAL OSCILLATOR	1	
R140	PQ4R10XJ000	o	1				1	
R141	PQ4R10XJ472	4.7K	1			1	1	
l .	PQ4R10XJ680	68	1					
R146		22	1					
R147	PQ4R18XJ220		1	11			1	
R148	PQ4R18XJ680	68	I '	 			İ	
R149	PQ4R10XJ220	22	1					
R150	PQ4R18XJ680	68	1					
R151	PQ4R10XJ220	22	1	11		LCD BOARD PARTS		
R152	PQ4R10XJ221	220	1			_		
R153	PQ4R10XJ681	680	1	PCB2	PSWP2T7330X	LCD BOARD ASS'Y (RTL)	1	
R160	PQ4R10XJ332	3.3K	1					
R200	PQ4R10XJ222	2.2K	1			(ICs)		
R201	PQ4R10XJ103	10K	1	IC601	PSVI44780B24	IC	1	
R300	PQ4R10XJ124	120K	1					
R301	PQ4R10XJ273	27K	1			(RESISTORS)	ı	
R302	PQ4R10XJ224	220K	1	R601-605	PQ4R10XJ152	1.5K	5	
R303	PQ4R10XJ563	56K	1	R606	PQ4R10XF9102	91K	1	
	1	47K	1	11			1	
R305	PQ4R10XJ473	l .	1				1	
R306	PQ4R18XJ221	220	1				ı	
R307	PQ4R10XJ271	270	1			(OTHERS)	ı	
R308	PQ4R10XJ221	220	1		EDDOZODVO A A	1	1	
R309	PQ4R10XJ000	0	1	E600	EDD073PV6AA	LCD		
R310	PQ4R10XJ221	220	1	E601	PSHR1088Z	GUIDE, LCD	1 1	
I				E602	PSMH1090Z	FRAME, LCD	1	
R401	PQ4R10XJ104	100K	1	E603	PSJE1003Z	FLAT CABLE	1	
R403	PQ4R10XJ104	100K	1	E604	PSJG1002Z	CONNECTOR	2	
R406,407	PQ4R10XJ104	100K	2	11	1	1	1	
R408	PQ4R10XJ822	8.2K	1	11		1		
R409	PQ4R10XJ104	100K	1					
R606,607	PQ4R10XJ104	100K	2					
1	PQ4R10XJ104	100K	1	11			1	
R649	1	39K	1			1	1	
R700 R701	PQ4R10XJ393 PQ4R10XJ473	47K						
ומיטו	Q4R10A0473		'	11				
nos	DOMBOSSO 1	(PHOTO TRANSDUCER)	3 1					
PC2	PQVIPS2532-1	PHOTO COUPLER	S 1					
		(SWITCHES)						
CW1	ESE14A211	SWITCH, HOOK	1	11			1	
SW1	1	·	2	11				
SW2	PQSS3A17Y	SWITCH, CONTRAST	1			1	1	
SW3	PQSS3A17Y	SWITCH, RINGER					1	
SW4	PQSS2A16X	SWITCH, HEADSET/HANDSET	1 1					
SW6-9	EVQ21005G	SWITCH	4	11			1	
l	1	1	1	JL				

2E:250V

2H:500V

2:200V

Refer to the simplified manual (cover) for other areas.

This replacement parts list is for KX-T.7320X only. REPLACEMENT PARTS LIST Model KX-T7320X Notes: 1. The marking (RTL) indicates that the Retention Time is limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available. 2. Important safety notice. Components identified by $\, \Delta \,$ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts. 3. The S mark indicates service standard parts and may differ from production parts. **RESISTORS & CAPACITORS** Unless otherwise specified All resistors are in ohms (Ω) k=1000 $\!\Omega$, M=1000k $\!\Omega$ All capacitors are in MICRO FARADS(μF) P= $\mu \mu F$ *Type &Wattage of Resistor Type ERX:Metal Film PQRD:Carbon ERC:Solid ERD:Carbon ERG:Metal Oxide PQRQ:Fuse PQ4R:Chip ERO:Metal Film ERF:Wire Wound Wattage *Type & Voltage of Capacitor Type ECFD:Semi-Conductor ECCD,ECKD,PQCBC,PQVP:Ceramic ECQS:Styrol ECQM,ECQV,ECQE,ECQU,ECQB:Polyester PQCBX,ECUV:Chip ECEA,ECSZ,ECOS: Electrolytic ECMS:Mica ECQP:Polyproplylene Voltage ECQ Type **ECQG** ECSZ Type Others **ECQV** Type 1H: 50V 05: 50V OF:3.15V OJ :6.3V :35V 2A:100V 1:100V 1A:10V :10V 50,1H:50V

Ref. No.	Part No.	Part Name & Description		Pcs
	(CABINET & ELECTRICAL PARTS		
1	PSKM1018K1	CABINET BODY		1
2	PSBX1003X1	BUTTON, DIAL		1
3	PSBX1004Y1	BUTTON, REDIAL/HOLD	l	1
4	PSBX1005Y1	BUTTON, SP-PHONE	l	1
5	PSBX1022Z1	виттом, со		1
6	PSBX1023Y1	BUTTON, INTERCOM etc.		1
7	PSBX1024Z1	BUTTON, PROGRAM etc.		1
8	PSBX1025Z1	BUTTON, VOLUME		1
9	PQBH10011X2	виттом, ноок		1
10	PQHP532X	CARD, TEL. NO.		1
11	PQHR576Z	TRANSPARENT PLATE		1
		(for TEL. NO. CARD)		
12	PQKE82Z1	HANGER	S	1
13	PQKL37Y7	STAND		1
14	PSGD1016Y1	CARD, TEL. NO. (MESSAGE)		1
15	Not Used			
16	Not Used			
17	PSGT1223Z	NAME PLATE		1
18	PSHR1033Z	COVER, LED	l	1
19	PSHR1074Z	TRANSPARENT PLATE		1
		(for TEL. NO. CARD)		

1V:35V

OJ:6.3V

1C :16V

1E,25:25V

1J :63V

:100V

Herer to	tne simplified r	nanual (cover) for other areas.	
Ref. No.	Part No.	Part Name & Description	Pcs
20 21 22 23 24 25	PQHG503Z Not Used PQAS65P32Z RJM142Z PQHG316Z PSKF1007Z1	RUBBER PARTS, MIC COVER SPEAKER BUILTIN-MICROPHONE S RUBBER PARTS, LEG CABINET, BOTTOM	1 1 4 1
	ACCESSORIES A	ND PACKING MATERIALS	
A1	PQJA214Y	CORD HANDSET	
A1 A2	PQJA214Y PQJA48W	CORD, HANDSET CORD, TEL.	1
A3	PQJX2PSL01Y	HANDLE/HANDSET	1
A4	PSQX1036Z	INSTRUCTION BOOK	1
A5	PQHP5107Z	CARD, MEMORY	1
A6	PQHR9565Y7	GUIDE, MEMORY CARD	1
A7	Not Used		
A8	PQPH75Y	PROTECTION COVER	1
A9 (14)	PSGD1016X1	CARD, TEL. NO. (CONFERENCE)	1
P1	PSPK1166Z	GIFT BOX	1
P2	XZB26X40A01	PROTECTION COVER	1
		MAIN BOARD PARTS	
		MAIN BOARD PARTS	
PCB1	PSWP1T7320X	MAIN BOARD ASS'Y(RTL)	1
IC1 IC2 IC3 IC4 IC9	PQVISC77655V PQVITC4066BF PQVINJM2904F PQVITC4011BF PSVI4688A54F	(ICs) IC IC IC IC IC IC	1 1 1 1
Q1 Q2 Q3 Q4,5 Q6,7	2SA1625 PQVT2N6517CA 2SA1625 2SD1819A PQVTBB1J3P 2SD1819A	(TRANSISTORS) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) TRANSISTOR(SI) (or 2SC4081Q) S TRANSISTOR(SI) TRANSISTOR(SI) (or 2SC4081Q) S	1 1 1 2 2
Q13,14 Q15,16 Q17	PQVTBB1J3P 2SD1819A PQVTDTA143XU	TRANSISTOR(SI) TRANSISTOR(SI) (or 2SC4081Q) S TRANSISTOR(SI)	2 2 1
Q17	2SC1740S	(for BOTTOM SIDE ON THE PCB) TRANSISTOR(SI) (for COMPONENT SIDE ON THE PCB)	1
Q31-38 Q39	2SD1819A PQVTDTC123E	TRANSISTOR(SI) (or 2SC4081Q) S TRANSISTOR(SI)	8

	Part No.	Part Name & Description		Pcs	Ref. No.	Part No.	Part Name & Description	1	Pcs
	1 .								
	PQVTDTC123E	TRANSISTOR(SI)	十	5	C40	PQCUV1E104MD	0.1	S	1
Q45 40		TRANSISTOR(SI)		4	C41	ECEA1HKSR47	0.47	S	1
	4412131132	, ,			C42	ECEA1HKS010	1	S	1
Q50	2SD1819A	TRANSISTOR(SI) (or 2SC4081Q)	s	1	C43	ECEA1HKSR22	0.22	S	1
	2SD1819A	TRANSISTOR(SI) (or 2SC4081Q)	s	1	C44	ECEA1HKS010	1	S	1
		TRANSISTOR(SI) (or 2SA1576Q)	s	1	C49	PQCUV1H103KB	0.01		1
		TRANSISTOR(SI)	s	1		_		Ì	
		TRANSISTOR(SI)	1	1	C50	PQCUV1H103KB	0.01	1	1
QUL.					C51	ECEA0JU331	330		1
					C52	ECEA1HKS3R3	3.3	S	1
,	ļ	(DIODES)			C54	PQCUV1E104MD	0.1	٥	1
D1	PQVDS1YB40F1	DIODE(SI)	S	1	C55	ECQV1H333JZ	0.033	٩	1
D12,13		DIODE(SI) (or 1SS131)	S	2	C57	ECEA1HKS010	1	ไ	1
D15	188119	DIODE(SI) (or 1SS131)	s	1	C58	ECEA1CK101	100	ď	1
D16	MA4036	DIODE(SI)	1	1	C59	ECEA1HKS010	11	٦	•
D20,21	1SS119	DIODE(SI) (or 1SS131)	s	2			1,	s	1
D22	MA4068	DIODE(SI)	-	1	C60	ECEA1HKS010	0.01	٦	1
D23	1SS119	DIODE(SI) (or 1SS131)	S	1	C61	PQCUV1H103KB	0.01		1
D24	PQVDS1YB40F1	DIODE(SI)		1	C62	ECQB1H183JF	10	s	2
					C63,64	ECEA1CKS100	47	ş	1
D300-311	PSVDPY4607K	LED		12	C65	ECEA1CKS470	47	٦	•
D312,313	LN28RCALXUX8	LED	S	2		DOCUMETOWD	0.1	s	1
D314	LN28RCALXUX8	LED	s	1	C71	PQCUV1E104MD	0.01	٦	1
D315	LN376GCPX	LED		1	C75	PQCUV1H103KB	0.01		•
D316	LN28RCALXUX8	LED	S	1	11				
D611	1SS119	DIODE(SI) (or 1SS131)	S	1		DOCUMETOWN.	0.1	s	1
D616	1SS119	DIODE(SI) (or 1SS131)	s	1	C91	PQCUV1E104MD PQCUV1E473MD	0.047		1
İ			- 1		C92	PQCUV1H152KB	0.0015	l	1
ļ			- 1		C93	ECEA1HKS4R7	4.7	s	1
1					C94	PQCUV1C224ZF	0.22	s	1
					C95	PQCOV 1022421	0.22		
			ļ			PQCUV1H103KB	0.01		1
					C101	ECEA0JU102	1000		1
İ	•	(CAPACITORS)			C103	ECEA0J0102 ECEA1HKS010	1	s	1
C1	ECEA1HK220	22		1	C104	ECEATIROUTO	ľ		
СЗ	ECEA1HKS100	10	S	1		PQCUV1H150JC	15P		2
					C111,112	ECEA1HKS010	1	s	1
C10	ECEA1HKS2R2	2.2		1	C116	ECEATINGOTO	22	s	1
C11	ECEA0JU331	330		1	C117	PQCUV1H151JC	150P		1
C14	PQCUV1H102J	0.001	S		C118 C121	ECEA0JU102	1000		1
C15	ECEA1HKS010	1	S		110121	LCLAGGOTOZ	1.000		
C16	PQCUV1E104MD	0.1	S		C161	PQCUV1H103KB	0.01		1
C17	ECEA1HKS100	10	S		C161	ECEA1CKS100	10	S	1
C18	ECEA1CK101	100	S	1	C162	PQCUV1H393KB	0.039	S	1
C19	ECEA1HKS010	1	5	i '	110100	T GOOV IN COOKE	0.000		Ì
1				١,	C200	ECEA1HKS3R3	3.3	S	1
C20	ECEA1CKS470	47	S	1 1	C300	PQCUV1E104MD	0.1	S	1
C21	PQCUV1C683MD	0.068			110300	1 400 1 12 10 11112			
C22	PQCUV1E104MD	0.1	S	1	11	-			
C23	PQCUV1H153KB	0.015	٥	'		1	(JACKS)		
C24	PQCUV1E473MD	0.047			JA1	PQJJ1TB26Z	JACK, TEL	S	1
C25	ECEA1HKS010	1	8		JA2	PQJJ1TB18Z	JACK, HANDSET		1
C26	ECEA1HKS4R7	4.7	S	1	11342	1 000112102	6 , 16, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13		ł
C27	PQCUV1C683MD	•	,	1	11				İ
C28	PQCUV1H153KB	0.015	5		11		(RESISTORS)		
C29	ECEA0JKS220	22	٤	1	J17,18,19	PQ4R18XJ000	0		3
		1		1	J20-29	PQ4R18XJ000	0		10
C30	PQCUV1C683MD		,	1	J31-39	PQ4R18XJ000	0		9
C31	PQCUV1H102J	0.001	5	1	J40	PQ4R18XJ000	0		1
C32	ECEA1HKS4R7	4.7		1	J40 J42	PQ4R18XJ000	0		1
C33	ECEA1CK101	100		1	J44-49	PQ4R18XJ000	0		6
C34	PQCUV1E104MD	i i		5 1 5 1	""""""	1 2 11 10 1000			1
C35	ECUV1H104MD	0.1		3 1	J50	PQ4R18XJ000	0		1
C36	ECEA1CK101	100	;	1	J50 J52	PQ4R18XJ000	0		1
1	ECEA0JU102	1000		1	1 1	1	i		1 1
C37		The second secon)	1 1 1 1 2 2	IP()ARTEX.IDOD	10		
	ECEA1CK101 PQCUV1E104MD	100		6 1 6 1	J53 J55-59	PQ4R18XJ000 PQ4R18XJ000	0		5

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This replacement parts list is for KX-T7320X only. Refer to the simplified manual (cover) for other areas.

		Part Name & Description	Pcs	Ref. No.	Part No.	Part Name & Description	P
J61	PQ4R18XJ000	0	1	R30	PQ4R10XJ104	100K	1
64	PQ4R10XJ000	0	1	R31	PQ4R10XJ225	2.2M	1
161	PQ4R10XJ000	0	1	R32	PQ4R10XJ303	30K	1
				R33	PQ4R10XJ683	68K	1
601,602	PQ4R10XJ000	0	2	R34	PQ4R10XJ822	8.2K	1
550,651	PQ4R10XJ000	0	2	R35	PQ4R10XJ392	3.9K	
300,001	4111070000	ľ	-	R36	PQ4R10XJ275	2.7M	.
700	DO 4D 4 0 V 1000			l 1		l l	1
700	PQ4R18XJ000	0	1	R37	PQ4R10XJ472	4.7K	'
	PQ4R10XJ000	0	2	R38	PQ4R10XJ183	18K	'
703,704	PQ4R18XJ000	0	2	R39	PQ4R10XJ821	820	•
705	PQ4R10XJ000	0	1				
706	PQ4R18XJ000	0	1	R40	PQ4R18XJ154	150K	1 1
707	PQ4R10XJ000	0	1 1	R41	PQ4R10XJ103	10K	.
708	PQ4R10XJ000	0	1 1	R42	PQ4R10XJ3R3	3.3	.
709	PQ4R10XJ000	0	1 1	R43	PQ4R10XJ222	2.2K	.
703	1 Q41110X0000	ľ	'	R44	1	12K	
	DO (D. (2)(1000				PQ4R10XJ123	1	
710	PQ4R10XJ000	0	1 1	R46	PQ4R10XJ102	1K	1
711	PQ4R10XJ000	0	1	1			
712	PQ4R10XJ000	0	1	R51	PQ4R10XJ100	10	1
713	PQ4R18XJ000	0	1	R52	PQ4R10XJ473	47K	.
714	PQ4R10XJ000	0	1	R53	PQ4R10XJ332	3.3K	.
715	PQ4R18XJ000	0	1 1	R54	PQ4R10XJ682	6.8K	.
	PQ4R10XJ000	0	4	R55	1	270K	
110-719	F Q4D TUAJUUU	ľ	"		PQ4R10XJ274	•	
	L	L		R56	PQ4R10XJ471	470	'
720	PQ4R10XJ000	0	1 1	R57	PQ4R10XJ473	47K	'
721	PQ4R18XJ000	0	1 1	R58	PQ4R10XJ181	180	1
722	PQ4R18XJ000	0	1 1	R59	PQ4R10XJ151	150	1 1
723	PQ4R18XJ000	0	1 1	1			
725	PQ4R10XJ000	0	1 1	R60	PQ4R10XJ222	2.2K	Ι.
	8	1		I I	1		
727,728	PQ4R10XJ000	0	2	R61	PQ4R10XJ471	470	1
			1 1	R62	PQ4R10XJ473	47K	1
901-909	PQ4R10XJ000	0	9	R63	PQ4R10XJ272	2.7K	1
910,911	PQ4R10XJ000	0	2	R64	PQ4R10XJ274	270K	1
913-919	PQ4R10XJ000	0	7	R65	PQ4R10XJ331	330	1 1
	PQ4R10XJ000	0	9	R69	PQ4R10XJ224	220K	1
	PQ4R10XJ000	0	10	1.00	I G III I ONOLE I	2201	'
	l		1 1	D70	DO 4D40V 1400	414	Ι.
940	PQ4R10XJ000	0	1	R70	PQ4R10XJ102	1K	1
942	PQ4R10XJ000	0	1 1	R71	PQ4R10XJ473	47K	1
943	PQ4R10XJ000	0	1 1	R72	PQ4R10XJ393	39K	1
			1 1	R75	PQ4R10XJ564	560K	1
1,L2	PQ4R10XJ000	0	2	R76	PQ4R10XJ000	lo	1 1
,		1	-	B77	PQ4R10XJ103	10K	1 7
2	PQ4R10XJ104	100K	1 . 1	R78	I '	1 '	
				1	PQ4R10XJ224	220K	1 1
4	PQ4R10XJ184	180K	1	R79	PQ4R10XJ103	10K	1
5	PQ4R10XJ472	4.7K	1	İ			
7	PQ4R10XJ393	39K	1 1	R80	PQ4R10XJ000	0	1
9	PQ4R10XJ104	100K	1	R81	PQ4R10XJ000	0	1
		1		R82	PQ4R10XJ000	0	1
		1		1			1 '
10	PQ4R18XJ470	47	,	1	1	1	1
			1		l .	1	
11	PQ4R10XJ180	18		1	1	1	i
12	PQ4R10XJ000	0	1 1		1		1
13	PQ4R10XJ821	820	1	R91	PQ4R10XJ103	10K	1
14	PQ4R10XJ000	0	1 1	R92	PQ4R10XJ183	18K	1
15	PQ4R10XJ182	1.8K	1	R93	PQ4R10XJ103	10K	1
17	PQ4R10XJ151	150	1	R94	PQ4R10XJ472	4.7K	1
18	PQ4R10XJ330	33		R95	PQ4R10XJ474	470K	
]	l i	1	1		1 1
19	PQ4R10XJ101	100	1 1	R96	PQ4R10XJ103	10K	1
		1		R97	PQ4R10XJ822	8.2K	1
20	PQ4R10XJ473	47K	1	R98	PQ4R10XJ104	100K	1
21	PQ4R10XJ332	3.3K	1	R99	PQ4R10XJ103	10K	1
	PQ4R10XJ474	470K		1		1	1 '
		1	1	D400	DO ADAGONIA	Logic	
	PQ4R10XJ121	120	2	R100	PQ4R10XJ104	100K	1
	PQ4R10XJ272	2.7K	1 1	R101	PQ4R10XJ472	4.7K	1
27	PQ4R10XJ473	47K	1 1	R102	PQ4R10XJ224	220K	1
28	PQ4R10XJ682	6.8K	1	R103	PQ4R10XJ183	18K	1
-0			1 1	1	1		1
29	PQ4R10XJ473	47K	111	R104	PQ4R10XJ392	3.9K	1 1

KX-T7320X/KX-T7330X

This replacement parts list is for KX-T7320X only. Refer to the simplified manual (cover) for other areas.

Ref. No.	Part No.	Part Name & Description	Pcs	Ref. No.	Part No.	Part Name & Description	F	Pcs
							L	
R111-116	PQ4R10XJ223	22K	6	1	EVQ21005G	SWITCH	1	10
R118	PQ4R10XJ223	22K	1		EVQ21005G	SWITCH		10
					EVQQJJ05Q	SWITCH S		10
	PQ4R18XJ100	10	1	SW40	EVQQJJ05Q	SWITCH S		1
1	PQ4R10XJ221	220	1	SW41	EVQQJJ05Q	SWITCH S		1
1	PQ4R10XJ472	4.7K	1	SW42	EVQ21005G	SWITCH		1
	PQ4R10XJ472	4.7K	1					
	PQ4R10XJ101	100	1					
R125		2.2K	1			(TRANSFORMERS)	İ	
	PQ4R10XJ472	4.7K	1	T1	PQLT8D2B	TRANSFORMER	İ	1
R127	PQ4R10XJ102	1K	1	T2	ETE13K24AY	TRANSFORMER		1
R128,129	PQ4R10XJ103	10K	2				ŀ	
R131	PQ4R10XJ105	1M	1			(VARIABLE RESISTOR)		
1	PQ4R18XJ000	0	4	VR2	EVNDXAA03B24	SEMI-FIXED RESISTOR, 20K	1	1
	PQ4R10XJ472	4.7K	1			·		
1	PQ4R10XJ472	4.7K	1					
R139	PQ4R10XJ000	0	1			(CRYSTAL OSCILLATOR)		
		ľ		X1	PQVCX4000N8Z	CRYSTAL OSCILLATOR S	1	1
R140	PQ4R10XJ000	0	1	1			ı	
	PQ4R10XJ000 PQ4R10XJ472	4.7K	1					
	PQ4R10XJ472 PQ4R10XJ680	4.7K 68	1	1		l	1	
		22	1				1	
R147	PQ4R18XJ220						1	
R148	PQ4R18XJ680	68	1				1	
R149	PQ4R10XJ220	22	'				l	
R150	PQ4R18XJ680	68	1					
R151	PQ4R10XJ220	22	1	1	1		1	
R152	PQ4R10XJ221	220	1					
R153	PQ4R10XJ681	680	1					
R160	PQ4R10XJ332	3.3K	1					
Doco	DOADAOY ICCO	2 2 4	1		1			
R200 R201	PQ4R10XJ222 PQ4R10XJ103	2.2K 10K	1					
R300	PQ4R10XJ124	120K	1		1		1	
R301	PQ4R10XJ273	27K	1					
R302	PQ4R10XJ224	220K	1		1			
R303	PQ4R10XJ563	56K	1		[1	
R305	PQ4R10XJ473	47K	1				1	
R306	PQ4R18XJ221	220	1				1	
R307	PQ4R10XJ271	270	1			1		
R308	PQ4R10XJ221	220	1		1		1	
R309	PQ4R10XJ000	0	1				1	
R310	PQ4R10XJ221	220	1		1		1	
11010								
R401	PQ4R10XJ104	100K	1					
R405	PQ4R10XJ104	100K	1			1	1	
R406,407	PQ4R10XJ104	100K	2				1	
R408	PQ4R10XJ822	8.2K	1				1	
R409	PQ4R10XJ104	100K	1					
Dece 22-	BOAR40VI404	100K	2					
R606,607	PQ4R10XJ104	100K	1				1	
R649	PQ4R10XJ104	100K	1	11	I		1	
R700	PQ4R10XJ393	39K	1					
		(PHOTO TRANSDUCER)						
PC2	PQVIPS2532-1	PHOTO COUPLER S	1					
		(SWITCHES)						
SW1	ESE14A211	SWITCH, HOOK	1			1	1	
SW3	PQSS3A17Y	SWITCH, RINGER	1				1	
SW6-9	EVQ21005G	switch	4	H			1	
L	L		<u> </u>	30 -	1			